रजिस्टर्ड सं. डी--(डी एन)--128/91 REGISTERED NO. D.—(D.N.) 128/91

सत्यमेव जयते

भारत का राजपत्र
The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

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No. 6] NEW DELHI, SATURDAY, FEBRUARY 9, 1991 (MAGHA 20, 1912)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2
[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 9th February, 1991

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Patent Office Branch,
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Madras-600 002.

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Telegraphic address "PATENTOFIS".

Patent Office (Head Office),
"NIZAM PALACE", 2nd M.S.O. Bldg.,
5th, 6th and 7th Floor,
234/4, Acharya Jagdish Bose Road,
Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS".

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

Fees :—The fees may either be paid in cash or may be sent by Money Order or Postal Order, payable to the Controller at the appropriate Offices or by Bank Draft or Cheque, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

पेटेंट कार्यालय

एकस्व तथा अभिकल्प

कलकत्ता, दिनांक 9 फरवरी 1991

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में स्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडी इस्टेट,
तीसरा तल, लोअर परेल (पश्चिम),
बम्बई-400 013

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य क्षेत्र एवं संघ शासित क्षेत्र गोआ, दमन तथा दिव एवं दादरा और नगर हवेली।

तार पता—"पेटोफिस"

पेटेंट कार्यालय शाखा,
इकाई सं० 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110 005

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली।

तार पता—"पेटेंटोफिक"

पेटेंट कार्यालय शाखा,
61, वालाजाह रोड,
मद्रास-600 002

आंध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप, मिनिकॉय तथा एमिनिदिवि द्वीप।

तार पता—"पेटेंटोफिस"

पेटेंट कार्यालय (प्रधान कार्यालय),
निज़ाम पैलेस, द्वितीय बहुतलीय कार्यालय
भवन 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700 020

भारत का अवशेष क्षेत्र

तार पता—"पेटेंट्स"

पेटेंट अधिनियम 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन-पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे।

शुल्क : —शुल्कों की अदायगी या तो नकद की जाएगी अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा डाक आदेश या जहां उपयुक्त कार्यालय स्थित है, उस स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा चैक द्वारा की जा सकती है।

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the crescent brackets are the dates claimed under Section 135, of the Patents Act, 1970

2nd January, 1991

14/Cal/91 Gevetex Textilglas GmbH. Procedure and Device for the Texture of threads.

15/Cal/91 Hitachi Construction Machinery Co. Ltd., Hydraulic Drive System for civil engineering and construction machine.

16/Cal/91. Alden Corporation. Broken Bolt Extractor.

3rd January, 1991

17/Cal/91. Hewlett-Packard Company. Apparatus and method for adapting a computer program from one operating environment to another.

18/Cal/91 General Electric Company. Cobalt-Base Wrought Alloy Compositions and Articles.

19/Cal/91. General Electric Company Low Nox Emission in Gas Turbine System.

4th Januray, 1991

20/Cal/91. N V. Philips' Gloeilampenfabrieken. Digital transmission system, transmitter and receiver to be utilized in the transmission system and record carrier obtained by means of the transmitter in the form of a recording means.

21/Cal/91 Anuranjan Prasad. Heat Treatment welded steel intersection points for moving loads and to a method for producing the same.

22/Cal/91. Anuranjan Prasad. An Improvement.

23/Cal/91. Hoechst Aktiengesellschaft. Process for the preparation of 2, 4, 6-trimethylacetophenone.

24/Cal/91. Johnson & Johnson Consumer Products, Inc., Feeding-Bottle Device with an adjustable air inflow; Teat or Feeding bottle intended to form part of such a device; Combination of such a teat or of such a feeding bottle with a ring clamping the teat on to the feeding bottle.

25/Cal/91. Gur Charan Saini, Improvements in Pressure Cookers.

7th January, 1991

26/Cal/91. Basanta Kumar Roy. Sin Rup power tiller.

27/Cal/91. M/S. Degussa Ag. Catalyst for the purification of the exhaust gases of internal combustion engines.

28/Cal/91. Flogates Limited Metal pouring method and apparatus.
(Convention dated 16th January 1990 No. 9000898; U.K. and 16th January, 1990; No. 9000909; U.K.).

8th January, 1991

29/Cal/91. Gummiwerk Kraiburg Development GmbH. Railway track crossing arrangement.

30/Cal/90. Projects & Development India Limited. An improved process for obtaining stack gases having pollutants within permissable limits in a nitric acid plant.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

24th December, 1990

1036/Mas/90. Didier Ofu Engineering GmbH; Krupp Koppers GmbH; Still Otto GmbH. Process and apparatus for coke-dry quenching.

1037/Mas/90. Minnesota Mining and Manufacturing Company. Multifocal defractive ophthalmic lens and method of manufacture.

26th December, 1990

1038/Mas/90. Zachariah Selvarajan. Improvements in insulated pipes, pipelines, pipe fittings, valves, flanges and the like.

1039/Mas/90. Aswanikumar P.R. Barath Chakram—An elastic wheel.

1040/Mas/90. Nitto Chemical Industry Co., Ltd. Water-in-oil emulsion of cationic polymer.

1041/Mas/90. Nitto Chemical Industry Co., Ltd. Process for preparing a water-in-oil emulsion.

1042/Mas/90. Asea Brown Boveri Ltd. Burner.

1043/Mas/90. Charles Daniel Brown & Dennis O'Sulliivan. Metal Casting Apparatus. (December 27, 1989; Great Britain).

27th December, 1990

1044/Mas/90. A. B. Chance Company. Electrical reclosure having external mounting arrangement for electronics assembly.

1045/Mas/90. A. B. Chance Company. Reclosure Apparatus.

1046/Mas/90. CdF Ingenierie Coreal. A machine for maintaining and repairing the stamps of coking oven charges.

1047/Mas/90. Pall Corporation. Device and method for blood separation.

28th December, 1990

1048/Mas/90. Jose George. Knapsack Sprayer.

1049/Mas/90. Kokickal Parameswaran Raghuveeran Pillai. Know-how for production of weak nitric acid with recycle of nitrous gases.

1050/Mas/90. HJL Projects & Developments Ltd. Surface treatment of sheet- or plate-like blanks.

1051/Mas/90. Brandt, Inc. Magnetic Document Validator.

1052/Mas/90. British Steel plc. Improvements in or relating to tram track. (January 10, 1990; Great Britain).

ALTERATION UNDER SECTION 16

168136 (876/Del/86) : Anti-dated January 24, 1984.

168147 (812/Mas/88) : Anti-dated February 10, 1987.

168151 (734/Cal/86) : Anti-dated August 04, 1983.

OPPOSITION PROCEEDINGS

An opposition has been entered by Kinetic Engineering Limited, Pune, Maharashtra to the grant of patent on Patent Application No. 166767 made by Bajaj Auto Limited, Pune, Maharashtra.

NOTIFICATION
[Claim Under Section 20 (1)]

The claim made by BLAZLEY DESIGNS PTY LTD. under Section 20(1) of the Patents Act, 1970 to proceed with the application for Patent No. 514/Del/85 in their name has been allowed.

The claim made by THE KOLIMORGEN CORPORATION, under Section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 169/Del/1987 in their name has been allowed.

The claim made by Shree Krishnakeshav Laboratories, under Section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 142/Del/86 in their name has been allowed.

PATENTS SEALED

157912 158520 165575 165626 166154 166160 166163 166164 166165 166166 166167 166169 166171 166172 166173 166174 166175 166176 166177 166178 166179 166180 166182 166183 166184 166185 166168 166187 166190 166193 166242 166245 166246 166248 166251 166252 166253 166255 166256 166257 166258 166259 166301 166513 166516

Cal— 2
Del—29
Mas—10
Bom—04

RENEWAL FEES PAID

146900 146976 147038 147516 147851 147951 147952 147953 148126
148170 148201 148698 148738 149163 149220 149314 150780 150911
150947 151456 151842 152023 152206 152264 152342 152544 152575
152711 152719 152908 152922 153004 153008 153048 153049 153110
153345 153648 154105 154239 154412 154487 154514 154516 154558
155228 155485 155577 155686 155687 155966 156005 156101 156475
156483 156541 156542 156780 156814 156911 157019 157092 157163
157168 157334 157403 157433 157662 157890 158003 158136 158139
158307 158308 158437 158470 158515 158516 158551 158566 158581
158976 158991 159063 159167 159305 159306 159340 159496 159588
159590 159625 159626 159728 159729 159730 159764 159830 159862
159907 159911 159987 159988 160077 160107 160147 160151 160172
160530 160667 160690 160741 160763 160981 161057 161123 161213
161219 161228 161381 161464 161473 161479 161497 161528 161614
161617 161726 161796 161797 161983 162154 162193 162262 162342
162366 162429 162587 162707 162750 162812 162823 162861 163051
163060 163069 163085 163112 163176 163191 163310 163326 163371
163580 163630 163715 163733 163858 163901 163915 163998 164211
164280 164412 164413 164414 164443 164473 164567 164660 164807
164812 164893 164969 164980 164991 165017 165127 165162 165164
165165 165166 165167 165169 165170 165187 165189 165191 165221
165215 165472 165508 165514 165531 165654 165828 166196 166321
166381 166389 166403 166404 166407 166427 166428 166450 166467
166468 166470 166534 166536

CESSATION OF PATENTS

151747 155250 160582 163426 163732 165331

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

The classifications given beow in respect of each specification are according to Indian Classification and International Classification.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompained by the number of the specifications as shown in the following list.

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स्वीकृत सम्पूर्ण विनिर्देश

एतद्द्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से 4 महीने या अग्रिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र-14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकस्व को ऐसे विरोध की सूचना विहित प्रपत्र-15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथाविहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तरराष्ट्रीय वर्गीकरण के अनुरूप हैं।"

नीचे सूचीगत विनिर्देशों की सीमित संख्यक में मुद्रित प्रतियाँ, भारत सरकार बुक डिपो, 8, किरण शंकर राय रोड, कलकत्ता में विक्रय हेतु यथासमय उपलब्ध होंगी। प्रत्येक विनिर्देश का मूल्य 2-/ रु० है (यदि भारत के बाहर भेजे जाएं तो अतिरिक्त डाक खर्च)। मुद्रित विनिर्देश की आपूर्ति हेतु मांग पत्र के साथ निम्नलिखित सूची में यथाप्रदर्शित विनिर्देशों की संख्या संलग्न रहनी चाहिए।

रूपांकन (चित्र आरेखों) की फोटो प्रतियां, यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता द्वारा विहित लिप्यान्तरण प्रभार उक्त कार्यालय से पत्र-व्यवहार द्वारा सुनिश्चित करने के उपरांत उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 4 से गुणा करके (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 4/- रु० है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

CLASS : 9 D & F. 168111
Int. Cl. : C 21 C 1/10, 1/08.

PROCESS FOR THE PRODUCTION OF PEARLITIC CAST IRON.

Applicant : GEORG FISCHER AKTIENGESELLSCHAFT, OF CH-8201 SCHAFFHAUSEN, SWITZERLAND.

Inventor : HENYCH IVO.

Application No. 187/Cal/87, filed on March 9, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

10 Claims

A process for the manufacture of case iron high in pearlite content, comprising :

producing a molten mass of cast iron in a furnace, transferring said molten mass to a casting mold, and introducing a pearlite stabilizing agent comprising a substance selected from Sn and/or Sb, with or without a known innoculent as herein described into a pouring stream of said molten metal formed when transferring said molten material from said furnace to said casting mold.

Compl. Specn. 9 Pages. Drg. Nil.

CLASS : 206-E. 168112
Int. Cl. : G 05 G 25/00.

OPERATIONAL INSTRUMENTATION AND CONTROL SYSTEM FOR POWER STATIONS.

Applicant : SIEMENTS AKTIENGESELLSCHAFT, OF WITTELSBACHERPLATZ 2, D-8000 MUNCHEN 2, WEST GERMANY.

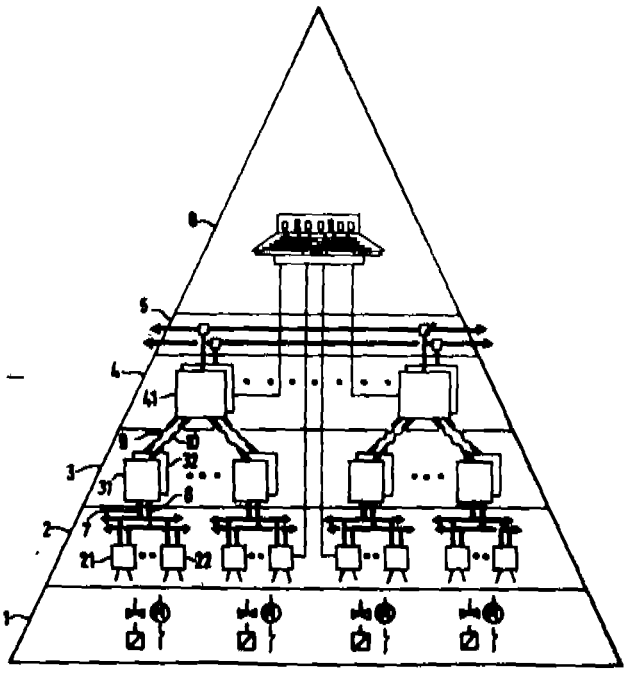
Inventors : (1) HORST HOFMANN, (2) KARL-HEINZ LOCHNER, (3) HANS-JURGEN SAUER, (4) KLAUS BREMER.

Application No. 234/Cal/87, filed on 25th March, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

5 Claims

Operational instrumentation and control system for power stations comprising : an individual control level for the components of a process component level to be controlled; a group control level in which automation devices are arranged and through which several components of the individual cotrol level are to be respectively controlled; a communications level in which the automation devices of the group control level are joined together by means of data lines; and a process control level superimposed on all the other levels; wherein between the individual control level and the group control level there is arranged a coupling control level and in the coupling control level there are coupling processors which are freely programmable independently of the superimposed seried-connected automation devices of the group control level, the coupling processors being connected by means of data lines to the subordinated components of the individual control level.



Compl. Specn. 10 Pages. Drg. 1 Sheet.

CLASS : 105 C. 168113
Int. Cl. : G 11 B 3/66.

AN OPTICAL INFORMATION CARRIER.

Applicant : INSTITUT PROBLEM MODELIROVANIA V ENERGETIKE AKADEMII NAUK UKRAINSKOI SSR, OF KIEV, PROSPEKT POBEDY, 56, USSR.

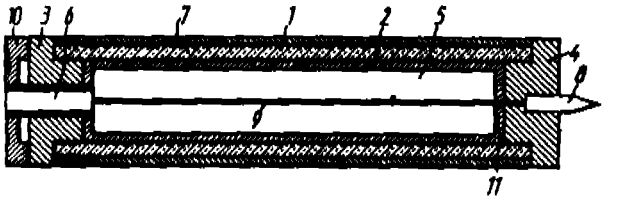
Inventors : (1) VYACHESLAV VASILIEVICH PETROV, (2) ALEXANDR ALEXAN DROVICH ANTONOV, (3) NIKOLAI VASILIEVICH GORSHKOV, (4) ALEXANDR PETROVICH TOKAR, (5) ANDREI ANDREEVICH KRJUCHIN, (6) SEMEN MIKHAILOVICH SHANOILO.

Application No. 321/Cal/87, filed on 23rd April, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

2 Claims

An optical information carrier comprising a rotatable transparent base of a material transparent for lazoremitted light wherein a recording layer is provided on the inner surface thereof, said inner surface being sealed by bushings for sealing its internal space, characterised in that the said internal space is filled with preasurized gas that is inert with regard to the materials of the recording layer, the base and sealing elements, said gas having a pressure selected from the range of 10-103 kPa.



Compl. Specn. 9 Pages. Drg. 1 Sheet.

CLASS : 99 D 179-F. 168114
Int. Cl. : B 65 B 7/28.

A LID FOR A SUSCEPTOR IN WHICH A CRYSTALLINE METERIAL IS MELTED.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors : (1) CHARLES STUART KUNCAN, (2) EDGAR LEONARD KOCHKA, (3) PAUL ANTHONY PIOTROWSKI.

Application No. 601/Cal/87, filed on 3rd August, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

5 Claims

A lid for a susceptor in which a crystalline material as herein described is melted, said lid being in the form of a plate having an inboard side and an outboard side and a centrally disposed slot through which a dendritic web of essentially a single crystal of said material is pulled, a pair of openings aligned with and disposed adjacent opposite ends of said slot and a groove extending between said slot and each opening and extending inwardly from the outboard side to adjacent the inboard side of said lid, whereby said slot, opening and grooves cooperate to control the radiation of heat from said dendritic web to produce a generally uniform distribution of isotherms across with width of the web adjacent the inboard side of said lid.

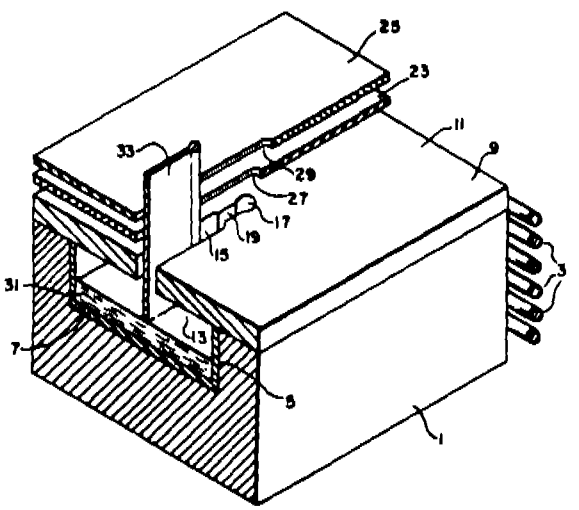


Fig. 1

Compl. Specn. 8 Pages. Drgs. 4 Sheets.

CLASS : 145 B & D. 168115
Int. Cl. : D 21 F 2/00, D 21 F 5/00, D 21 G 1/00.

A PRESS APPARATUS AND METHOD FOR PRODUCING A DRY FIBROUS WEB BY REMOVING FLUID FROM A FIBROUS WEB.

Applicant : BELOIT CORPORATION OF P.O. BOX 350, BELOIT, WISCONSIN 53511, UNITED STATES OF AMERICA.

Inventors : (1) LEROY HENRY BUSKER, (2) DENNIS CALLAHAN CRONIN, (3) DAVID VINCENT LANGE, (4) ELIZABETH ANN'E MACKLEM, (5) JEFFREY HENRY PULKOWSKI.

Application No. 611/Cal/87, filed on 5th August, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

60 Claims

1 A Press apparatus for producing 2 dry fibrous web by removing fluid from a fibrous web, comprising :

a press member;

at least one blanket means cooperating with said press member for defining therebetween an elongate pressing section such that the web is pressed between said press member and said blanket means during passage through said pressing section;

elongate means for urging said blanket means towards said press member such that when the web passes through said pressing section, fluid is removed from the web; and

heating means disposed adjacent to said press member for transferring heat to the web such that when the web passes through said pressing section the web is subjected for an extended period to increased pressure and temperature so that water vapor generated within said pressing section during the passage of the web through said pressing section force forces the fluid in liquid phase away from the web.

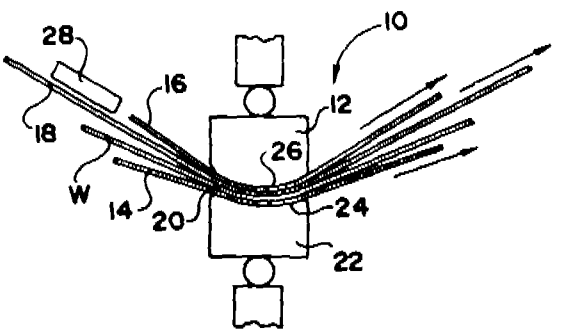


Fig. 1

Compl. Specn. 40 Pages. Drgs. 8 Sheets.

Ind. Cl. : C 07 C 93/16, C 07 K 5/00 168116
Int. Cl. : 32 F2 (b)

A PROCESS FOR THE PREPARATION OF L—AMINODICARBOXYLIC ACID ESTERS.

Applicant : GENERAL FOODS CORPORATION, OF 250 NORTH STREET WHITE PLAINS, NEW YORK, UNITED STATES OF AMERICA.

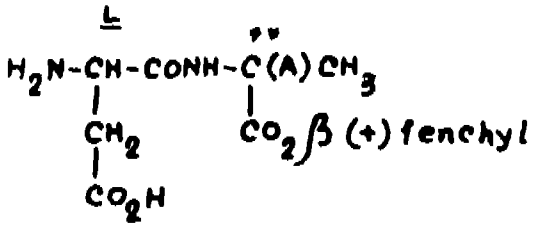
Inventors : (1) PAUL ROBERT ZANNO, (2) GLENN MICHAEL ROY, (3) RONALD EDWARD BARNETT.

Application No. 622/Cal/87 filed on August 11, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

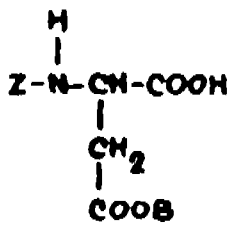
3 Claims

A process for the preparation of a compound represented by the formula (I) of the accompanying drawings and if desired, food acceptable salts thereof, wherein A is hydrogen or methyl, with the proviso that when the double asterisked carbon is an asymmetric or chiral center, the configuration around said carbon is in the *D* configuration:

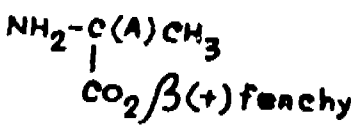


Formula (I)

which comprises reacting a carboxylic acid or derivatives thereof Formula II wherein Z is [illegible] protecting group such as herein described and B is H or a carboxylic acid protecting group such as herein described with an amine of Formula III under conventional amide forming conditions and removing in a known manner the protecting groups when present to obtain the compound of Formula (I) and optionally forming food acceptable salts of said compounds in a conventional manner.



Formula (II)



Formula (III)

Compl. Specn. 21 Pages. Drg. 1 Sheet

Ind. Cl. : C 05 G 5/00 168117
Int. Cl. : 123.

METHOD OF PRODUCING AN ATTRITION-RESISTANT, CONTROLLED RELEASE FERTILIZER PARTICLE COMPOSITION.

Applicant : MELAMINE CHEMICALS, INC., OF 811 RAILROAD AVENUE, DONALDSONVILLE, LOUISIANA 70346, UNITED STATES OF AMERICA.

Inventor : WILLIAM PERCY MOORE.

Application No. 650/Cal/87 filed on August 18, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

3 Claims

Method of producing an attrition-resistant, controlled release fertilizer particle composition comprising reacting :

(A) a water-soluble central mass of plant food compound containing nucleophilic functional groups as herein described amounting to at least 10% with

(B) a molecular excess of a liquid polyfunctional electrophilic monomeric or oligomeric compound as herein described to provide a base component surrounding and chemically bonded to said central mass, and forming

(C) a water-insoluble sealing layer, surrounding and chemically bonded to said base component, by the reaction and polymerization of the excess polyfunctional electrophilic compound of the base component with an amount of an hydrous liquid organic nucleophilic monomeric or oligomeric compound.

Compl. Specn. 31 Pages. Drg. Nil.

Ind Cl. : B 62 K 15/00 168118
Int. Cl. : 53 E

BYCYCLE WITH A COLLAPSIBLE FRAME.

Applicant : SVEN HELLESTAM, OF KASERIGATAN 2, S-422 42 HISINGS-BACKA, SWEDEN AND OTTO LINANDER, OF KUNGSHOJ DSGATAN 1, S-411 20 GOTEBORG, SWEDEN.

Inventors : (1) SVEN HELLESTAM, (2) OTTO LINANDER.

Application No. 698/Cal/87 filed on September 3, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

10 Claims

A bicycle with collapsible frame (11), which incorporates front and rear frame posts (12, 13) and upper and lower cross beams (14, 15) interconnecting said frame posts, wherein at least one cross beam (15) of the frame (11) is two-part, that the two parts (15a, 15b) of the cross beam are articulatedly connected to each other and to the frame posts (12, 13), and that the two parts (15a, 15b) of the cross beam at folding of the frame are pivotable towards the front (12) and the rear frame post (13) respectively, characterized in that at least one or some of the cross beam (15) joints (24, 25) are angular joints or movable link couplings, which are designed, when the frame is folded, to displace one or both parts (15a, 15b) of the cross beam angularly, such that the frame posts (12, 13) and wheels (18, 28) attached thereto, are placed beside each other.

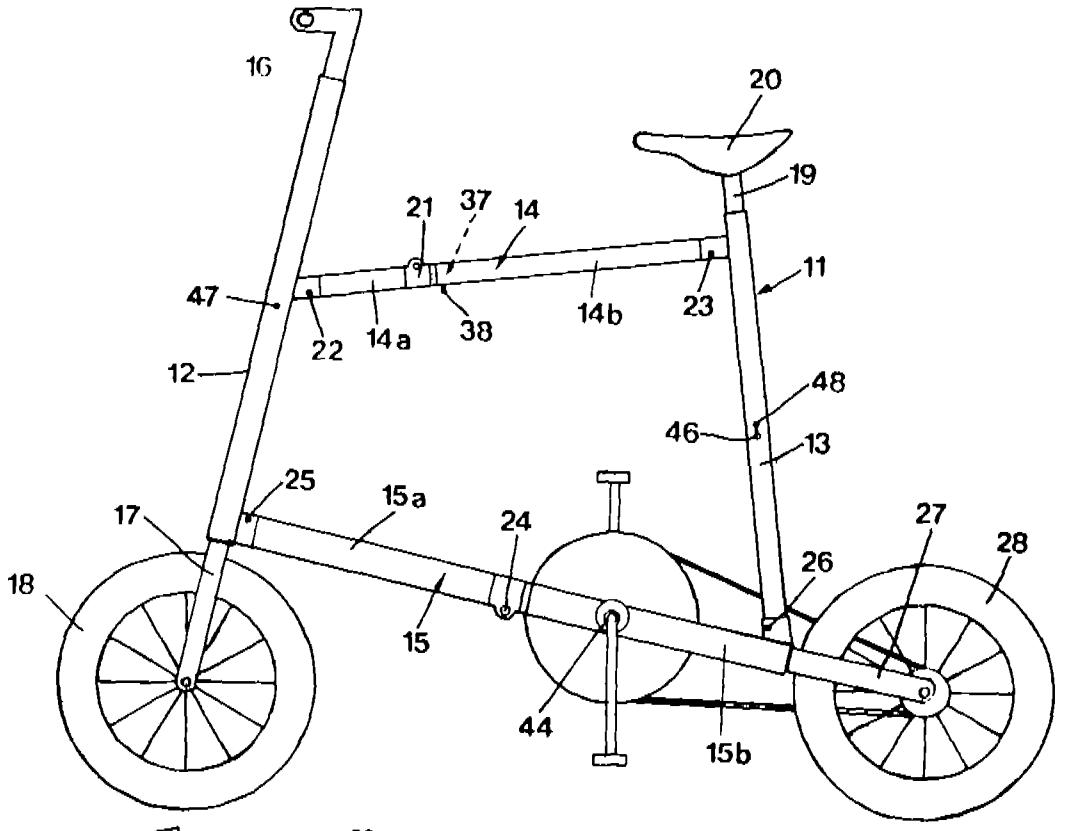


Fig. 1

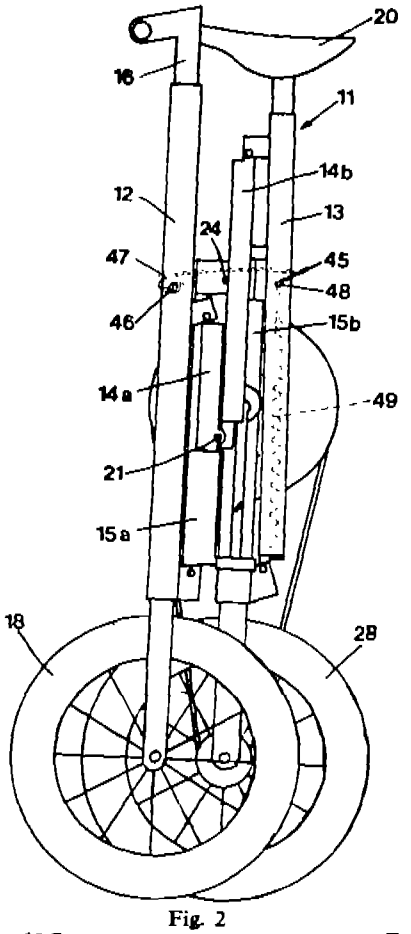


Fig. 2

Ind. Cl.: A 61 K 39/00, 45/00 168119
Int. Cl.: 55 E4.

A PROCESS FOR THE PREPARATION OF IFOSFAMIDE LYOPHILISATE.

Applicant: ASTA PHARMA AKTIENGESELLSCHAFT, OF WEISMULLERSTR. 45, D-6000, FRANKFURT-AM-MAIN 1, WEST GERMANY.

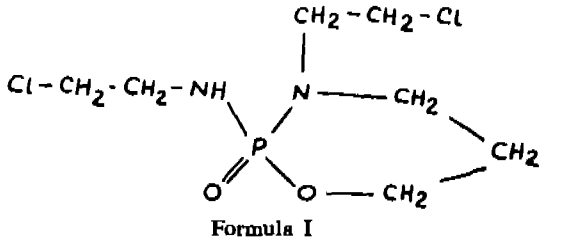
Inventors: (1) DIETER SAUERBIER, (2) UWE-PETER DAMMANN, (3) OTTO ISAAC.

Application No. 837/Cal/87 filed on October 26, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

4 Claims

Process for the preparation of an ifosfamide lyophilisate which comprises freezing an aqueous or aqueous-ethanolic solution of ifosfamide containing (i) 1 to 13 percent by weight of ifosfamide and (ii) 0.1 to 17 parts by weight of a hexitol, based on one part by weight of ifosfamide as well as (iii) optionally 0 to 16.9 parts by weight (based on 1 part by weight of ifosfamide) of other conventional pharmaceutical auxiliary substances as herein described at between—70 and 0°C followed by removing the water from the so-obtained product in frozen state by freeze drying the same.



Formula I

Compl. Specn. 13 Pages. Drg. 7 Sheets. Compl. Specn. 20 Pages. Drg. 1 Sheet.

Ind. Cl. : D 04 H 1/00, D 04 H 3/00 168120
Int. Cl. : 172— F.

NON-WOVEN FIBRE PRODUCT.

Applicant ; NESTE OY, KEILANIEMI, 02150 ESPOO, FINLAND.

Inventors : (1) OLLI TURUNEN, (2) KERSTIN MEINANDER, (3) JOHAN-FREDRIK SELIN, (4) JAN FORS, (5) VIDAR EKLUND, (6) LEO MANDELL.

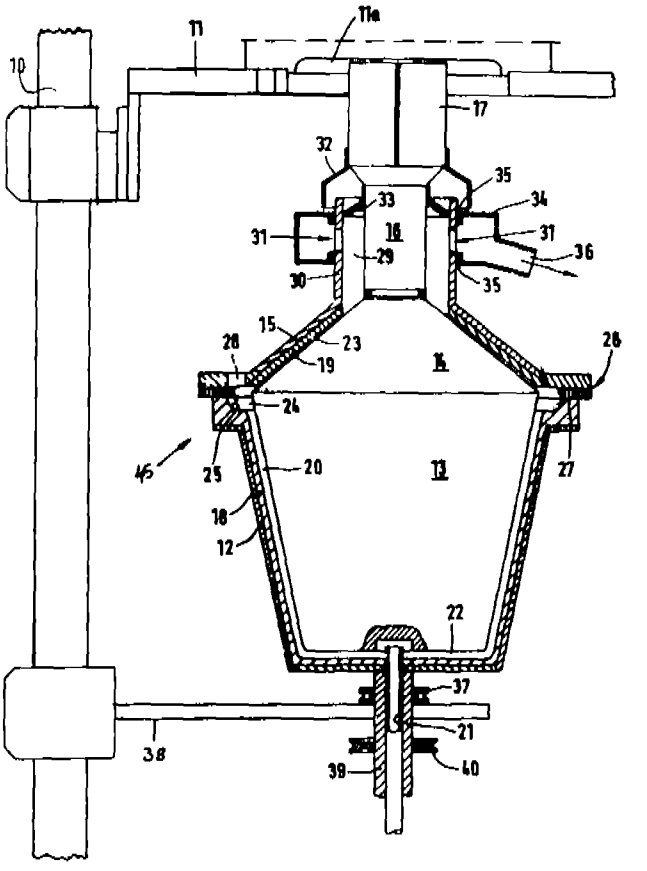
Application No. 1008/Cal/87 filed on December 29, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

2 Claims

A non-woven fibre product in which the fibre material consists totally or partly of fibres which are able to form bonds with natural or artificial fibres of the same or different type, characterised in that said fibres capable of forming bonds are cellulose carbamate fibres.

Compl. Specn. 10 Pages. Drg. Nil.



Compl. Specn. 18 Pages. Drgs. 2 Sheets.

Ind. Cl. : 94 A—[GROUP—XXXIV (2)] 168121
Int. Cl.[4] : B 02 C 15/00; B 22 F 9/04.

ANNULAR GAP-TYPE BALL MILL.

Applicant : REIMBOLD & STRICK GMBH & CO., OF KUNFTSTRSSE 4, D-5000 KOLN 91, FEDERAL REPUBLIC OF GERMANY, A GERMAN COMPANY.

Inventor : KARL-HEINZ HOFFMANN.

Application No. 667/Mas/86 filed on August 19, 1986.

Addition to Patent No. 165878; dated August 28, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

8 Claims

Annular gap-type ball mill for continuously pulverizing, in particular hard mineral substances comprising a closed grinding container housing a rotor whose outer surface defines with the inner surface of the grinding container a grinding gap containing grinding pellets, the top portion and the lower portion of the rotor being tapered in opposite directions, the grinding container (12) is supported rotatably and connected to a rotary drive.

Ind. Cl. : 172 D46 B3 [GROUPS XX, XLVII (1)] 168122
Int. Cl.[4] : B 08 B 5/04.

APPARATUS FOR CONTROLLING THE OPERATION OF A PNEUMATIC DUST, FIBRE OR YARN COLLECTING SYSTEM.

Applicant & Inventor : JAMES FAHEY, 99 NEW NORTH ROAD, EDGERTON, HUDDERSFIELD, WEST YORKSHIRE HD1 5QL, ENGLAND, (A BRITISH SUBJECT).

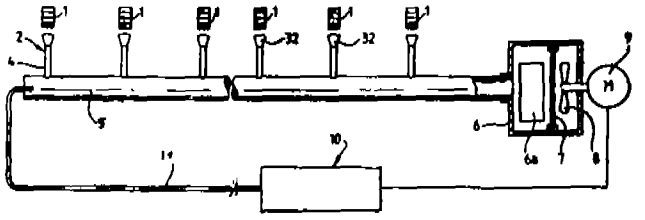
Application No. 678/Mas/86 filed on August 22nd, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

10 Claims

Apparatus for controlling the operation of a pneumatic dust, fibre or yarn collecting system having a plurality of suction heads leading into a duct and a motor driven suction device arranged to suck air through the suction heads and the duct, comprises a filter located in the path of the airstream so that solid material entrained in an airstream flowing in the duct and through the filter is collected on the

filter, in which there are provided a sensor for detecting a physical characteristic of the air in the duct; a comparator for comparing an output signal proportional to the detected physical characteristic with a reference signal proportional to the physical characteristic which would exist in the duct given the desired suction pressure in the duct, and control means responsive to an output signal from the comparator for varying the speed of the driving motor.



Compl. Specn. 21 Pages. Drgs. 2 Sheets.

Ind. Cl.: 72 B [GROUP—XXXIX (3)] 168123
Int. Cl.[4]: C 06 B 47/14.

AN IMPROVED METHOD OF PREPARING WATER-IN-OIL EMULSION SLURRY BLASTING COMPOSITION WITH INCREASED VISCOSITY.

Applicant: IRECO INCORPORATED, A CORPORATION OF THE STATE OF DELAWARE, U.S.A. OF ELEVENTH FLOOR CROSSROADS TOWER, SALT LAKE CITY, UTAH, U.S.A., 84144.

Inventor: KENNETH A MILLER.

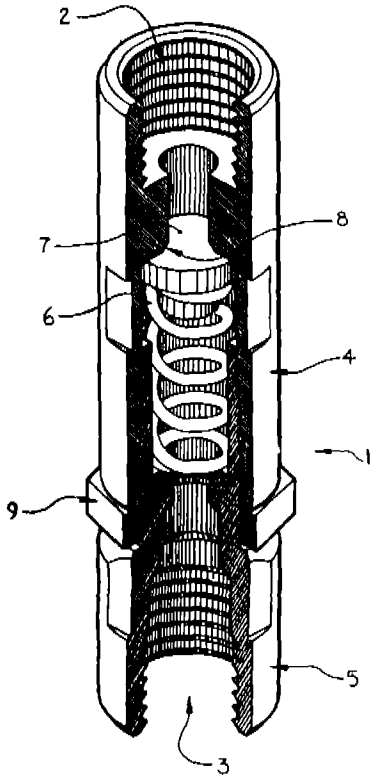
Application No. 753/Mas/86 filed on September 24, 1986.

Convention date: October 30, 1985 (No. 494, 193; Canada).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

4 Claims

An improved method of preparing water-in-oil emulsion slurry blasting composition with increased viscosity, the improvement comprising pumping the composition through a hose having at or near its end a valve to produce a pressure drop of at least 10.5 kg/cm² to impart shear to the composition so that the viscosity of the said composition is increased to at least 100% more than its initial viscosity.



Compl. Specn. 11 Pages. Drg. 1 Sheet.

Ind. Cl.: 36—A₃—[GROUP—XLIV (1)] 168124
Int. Cl.[4]: F 04 D 29/00; 29/54; 29/18; 29/40.

AN IMPELLER OR FAN TO PUMP OR COMPRESS LIQUID OR GAS.

Applicant & Inventor: GOVINDASWAMY VENKATACHALAPATHY, 4-A, TRICHY ROAD, SINGANALLUR P.O., COIMBATORE—5, TAMIL NADU, INDIA, INDIAN NATIONAL.

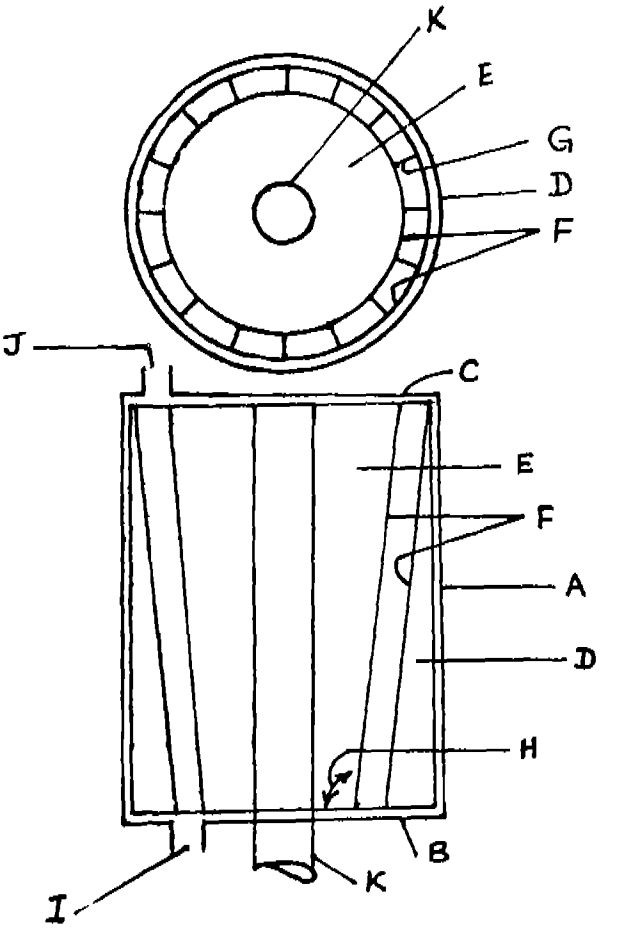
Application and Provisional Specification No. 758/Mas/86 filed on September 26, 1986.

Complete Specification left December 23, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

3 Claims

An impeller or fan to pump or compress a liquid or gas comprising a casing snugly enclosing at least one cylindrical member mounted on a shaft, said member having therein a circumferential channel along the height thereof, the channel converging downwardly and being provided with a plurality of radial vanes; an inlet for the casing at its base and an outlet at its top, such that, during rotation of the shaft, liquid or gas at the inlet of the casing is drawn upwardly through the spinning channel, to emerge at the outlet of the casing.



Prov. 3 Pages;
Compl. Specn. 6 Pages. Drg. 1 Sheet.

Ind. Cl.: 98 H, 146 E [GROUPS VII (2), XXXVIII (2)] 168125
Int. Cl.[4]: G 05 D 23/22.

TEMPERATURE MEASURING APPARATUS.

Applicant: THE DOW CHEMICAL COMPANY, OF 2030 DOW CENTRE, ABBOT ROAD, MIDLAND, MICHIGAN 48640, U.S.A., A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A.

Inventor: M. DALE MAYES.

Application No. 762/Mas/86 filed on 26th September, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

10 Claims

An apparatus for measuring the temperature of a fluid environment within a vessel, comprising:

(a) a chamber that is sealingly connected to and which opens into said vessel for containing a portion of said fluid environment;

(b) a temperature sensing means which is movable between a first and second position, whereby at said first position,

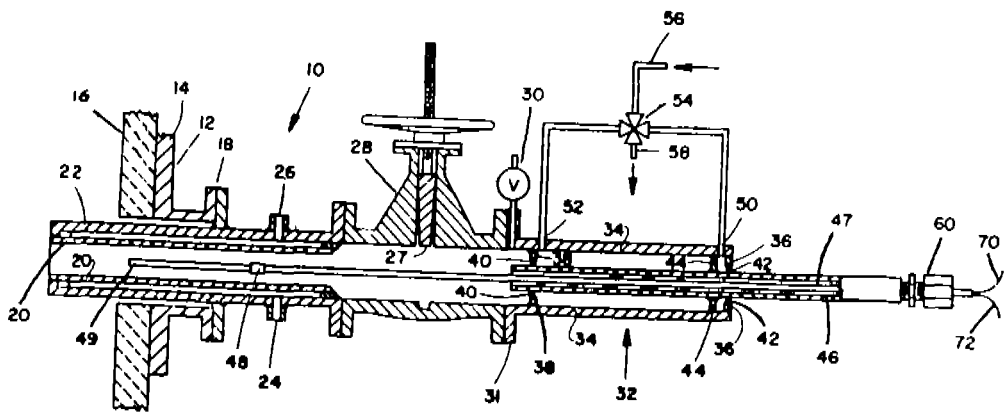
(i) at least a portion of said temperature sensing means is within said chamber and

(ii) said temperature sensing means is out of contact with the remainder of said fluid environment, and whereby at said second position,

(iii) at least a portion of said temperature sensing means is exterior of said chamber and is in contact with said remainder of said fluid environment so as to obtain said temperature measurement;

(c) means for preventing substantial convective movement between said portion of said fluid environment and said remainder of said fluid environment when said temperature sensing means is moving between said first and said second positions; and

(d) means for maintaining said portion of said fluid environment in said chamber at a cooler temperature than the temperature of said remainder of said fluid environment.



Compl. Specn. 18 pages. Drg. 1 Sheet.

Ind. Cl.: 136 E, 136 F, 129 G [GROUPS XIII, XXXV] 168126
Int. Cl.[4]: B 22 C 1/00.

A PROCESS FOR MAKING A SHAPED ARTICLE SUCH AS FOUNDRY CORE OR MOLD.

Applicant: ACME RESIN CORPORATION, A DELAWARE CORPORATION LOCATED AT 10330 WEST ROOSEVELT ROAD, WESTCHESTER, ILLIONIS 60153 UNITED STATES OF AMERICA.

Inventor: RAJA IYER.

Application No. 792/Mas/86 filed on 7th October, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Branch, Madras.

6 Claims

A process for making a shaped article such as a foundry core or mold without baking comprising:

(a) mixing a particulate refractory material, from 0.5 to 6 parts by weight per 100 parts of refractory material of a resin binder, from 10 to 50 parts by weight per 100 parts of resin binder of an acidic catalyst and from 2 parts to 30 parts by weight per 100 parts of resin binder of an accelerator selected from the group; dihydroxybenzenes, monoalkyl, monoaryl and aralkyl derivatives of dihydroxybenzenes, trihydroxybenzenes and mixtures thereof;

(b) forming the mixture of refractory material, catalyst, binder and accelerator into the desired shape; and

(c) allowing the shaped mixture to cure at ambient conditions to produce such shaped article.

Compl. Specn. 19 pages. Drg. Nil.

Ind. Cl.: 167 C (GROUP—XXXIV (4)] 168127
Int. Cl.[4]: B 07 C 5/34; G 06 F 15/46.

A SYSTEM FOR INSPECTION AND SORTING OF MOLDED CONTAINERS.

Applicant: OWENS-ILLINOIS GLASS CONTAIER INC., A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF OHIO, OF ONE SEAGATE, TOLEDO, OHIO 43666, U.S.A.

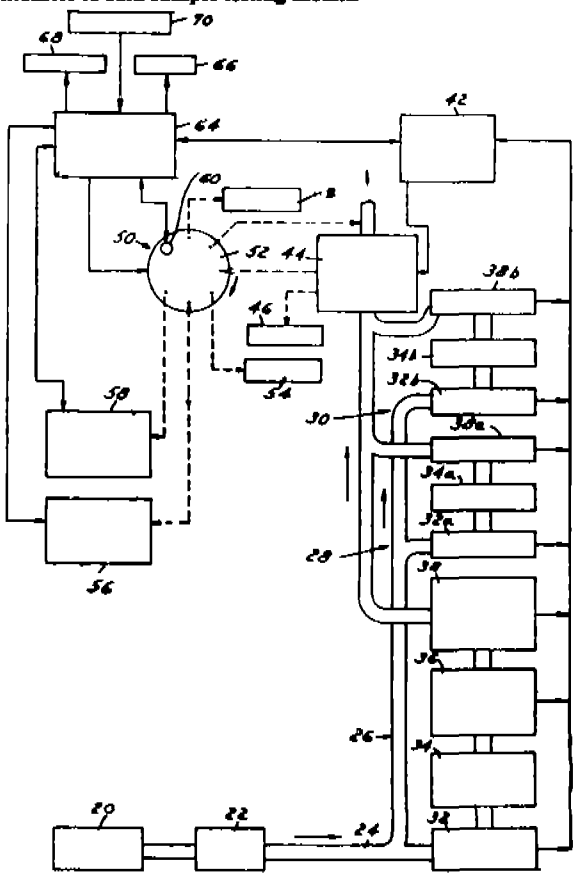
Inventors: (1) ALAN DOUGLAS AHL, (2) JOSEPH FREDERICK BILLMIER, (3) PAUL WHITNER LINK GRAHAM, (4) MARK BRADLEY SCHENK AND (5) STEPHEN HENRY ZYLKA.

Application No. 814/Mas/86 filed on October 15, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

13 Claims

A system for inspection and sorting of molded containers containing readable indicia indicative of mold cavity of container origin comprising first conveyor means for transporting containers along a predetermined path, inspection means disposed in said path for inspecting containers travelling in said path and identifying mold cavity of origin of defective containers, cavity identification means dispose in said path for reading said indicial on containers travelling in said path and for selectively sorting containers from said path as a controllable function of cavity identification, first control means coupled to said inspection means for receiving information identifying mold of origin of defective containers and to said cavity identification means for selectively controlling said cavity identification means to sort containers, sample testing means with second conveyor means coupled to said cavity identification means for receiving sampled containers therefrom, and means coupled to said second conveyor for automatically testing physical quality of sample containers and identifying mold of origin of defective sampled containers, and second control means coupled to said sample testing means and through said first control means to said cavity identification means for automatically sorting a preselected sample of containers from each cavity from said path and routing said preselected sample of containers to said sample testing means.



Compl. Specn. 24 Pages. Drgs. 7 Sheets.

Ind. Cl.: 24 D[4] (GROUP—LV] 168128
Int. Cl.[4]: F 16 D 53/00, 65/14.

IMPROVEMENTS RELATING TO DISC BRAKES.

Applicant: LUCAS INDUSTRIES PUBLIC LIMITED COMPANY A BRITISH COMPANY, OF GREAT KING STREET, BIRMINGHAM 19, ENGLAND.

Inventor: ANTHONY WILLIAM HARRISON.

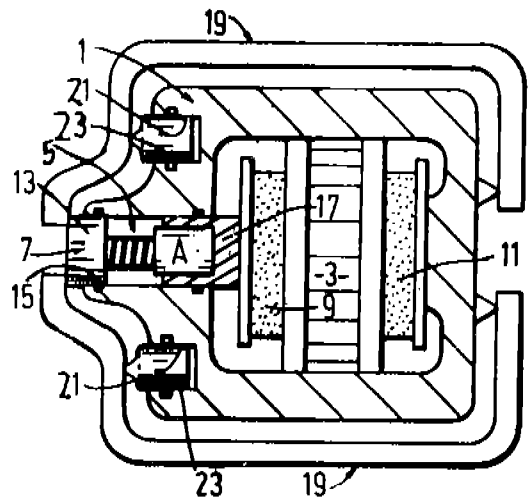
Application No. 919/Mas/86 filed on November 28, 1986.

Convention dated: November 29, 1985, No. 8529474, United Kingdom.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

19 Claims

A disc brake for a vehicle comprising a caliper supporting a service brake actuator and an auxiliary brake actuator arranged to apply opposed friction pads to opposite sides of a braking disc, the auxiliary brake actuator comprising a spring element which engages both the caliper and a thrust block via which spring force is applied to the friction pads, hydraulic means being provided to oppose said spring force.



Compl. Specn. 18 pages. Drg. 3 Sheets.

Ind. Cl.: 24 R & F—[GROUP—LV] 168129
Int. Cl.[4]: F 16 D 65/14

IMPROVEMENTS RELATING TO DISC BRAKES.

Applicant: LUCAS INDUSTRIES PUBLIC LIMITED COMPANY, A BRITISH COMPANY, OF GREAT KING STREET, BIRMINGHAM 19, ENGLAND.

Inventor: ANTHONY WILLIAM HARRISON.

Application No. 920/Mas/86 filed on November 28, 1986.

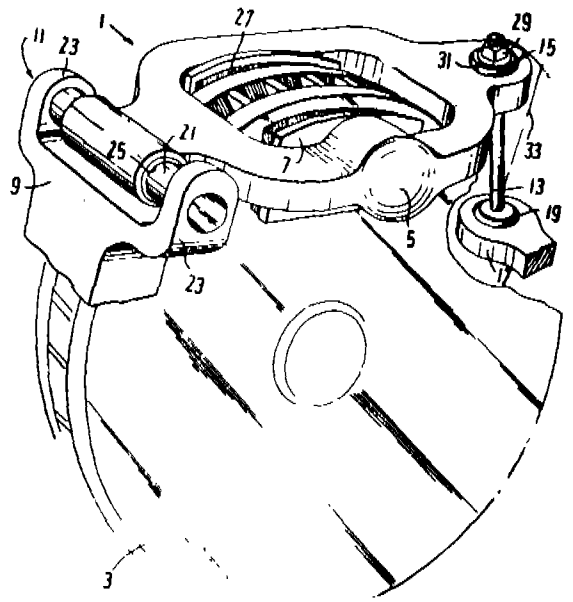
Convention date: November 29, 1985; (No. 8529475; United Kingdom).

Appropriate Office for Opposition Proceedings (Rule 4, Ptents Rules, 1972), Patent Office, Madras Branch.

9 Claims

A disc brake comprising a caliper which straddles a disc and is arranged to press a friction pad against each side of the disc when

actuated, the caliper being mounted at one circumferential end region with respect to the disc, on a first support member by means of a pin connection extending parallel to the axis of the disc, and at the other circumferential end region with respect to the disc, by a second support member which is joined both to the said other circumferential end region and to a fixed member, by flexible couplings.



Compl. Specn. 8 Pages. Drg. 1 Sheet.

Ind. Cl.: 25 B [GROUP—XXV (1)] 168130
Int. Cl.[4]: E 04 C 1/40.

A METHOD FOR PRODUCING A BUILDING ELEMENT BY FORMING A MIXUTURE OF FLY ASH, SLAKED LIME, WATER AND A COARSE PARTICLE.

Applicant: AARDELITE HOLDING B. V., A NETHERLANDS COMPANY, OF INDUSTRIEWEG 70, 8071 CW NUNSPEET, THE NETHERLANDS.

Inventor: HENDRIK LOGGERS.

Application No. 953/Mas/86 filed on December 9, 1986.

Convention date: November 7, 1986; (No. 64929/86; Australia).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

5 Claims No drawing

A method for producing a building element by forming a mixture of fly ash, slaked lime, water and a coarse particle comprising material such as herein described into an unhardened building element and by hardening said unhardened building element at elevated temperature in a water vapor containing atmosphere characterised in that a hardenable mixture of 75% to 94% fly ash, and 25% to 6% Ca $(OH)_2$ or CaO is formed with water, said hardenable mixture is granulated partially and subsequently mixed with a suitable coarse material such as herein described and hardened at a temperature not exceeding 100°C and at atmospheric pressure.

Compl. Specn. 21 Pages.

Ind. Cl.: 68 E 1. 168131
Int. Cl.[4]: H 02 J 3/00 G 05 F 1/10.

"A STABILISED POWER SUPPLY APPARATUS"

Applicant: EXIDE ELECTRONICS INTERNATIONAL CORP., 06 3201 SPRING FOREST ROAD, RALEIGH, NORTH CAROLINA, UNITED STATES OF AMERICA, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATES OF DELAWARE, U.S.A.

Inventors: WILLIAM JOHN RADDI, ROBERT WILLIAM JOHNSON, JOHN GAYLORD TRACY & BLAZEJ WILLIAM SONNENBERG.

Application No. 124/Del/86 filed on February 17, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-5.

10 Claims

A stabilised power supply apparatus for supplying alternating current-power to a critical load, such as a computor, comprising :

(a) transformer means (84) having an output winding (80) connected with the load, and first (78), second (112) and third (76) input windings,

(b) first means having a battery (40) and an inverter (46) for supplying alternating-current power;

(c) second means (14, 24) for supplying alternating-current power;

(d) transfer switch means (19) having first and second conditions for alternately connecting and disconnecting said first supply means with said first input winding and for disconnecting and connecting said second supply means with said second input winding, respectively;

(e) means connecting said third input winding with said second power supply means; and

(f) means for varying the angular relationship between the voltages of said third (E_a) and first (C_l) sources to cause the real component of the inverter current (I_l) at the break-even condition to be a minimum.

Compl. Specn. 32 Pages. Drgs. 5 Sheets.

Ind. Cl. : 71 G XXVIII (1). 168132
Int. Cl.[4] : E 02 F 3/00.

SHANKED SOLID TOOTH FOR USE WITH EARTH MOVING EQUIPMENT.

Applicant : YVONNE GALGUT, A BRITISH SUBJECT, C/O GOULDENS, 118 CHANCERY LANE, LONDON, ENGLAND.

Inventor : GEORGE PAIZES.

Application for the Patent No. 325/Del/86, filed on 10th April, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

16 Claims

A shanked solid tooth (10) for use with earth moving equipment which comprises a tooth member (10), a shank (22) extending from one end of said tooth member, said shank being adapted to fit into and engage an adapter or tooth socket (12) secured to a bucket on said equipment, said shank being provided therethrough with a transverse passage within which passage fastening means is provided for retaining said shank within said socket, said fastening means (14) comprising a pair of fastening members (42) each having inner and outer ends (48) pivotable in said passage relative to each other about their respective inner ends from an inner position in which said fastening members (42) are contained wholly or substantially wholly within said passage to an outer position in which at least part of said members project out of said passage into engagement with said socket and biassing means (44) for biassing said fastening members (42) from said inner position to said outer position of engagement of the members with said socket.

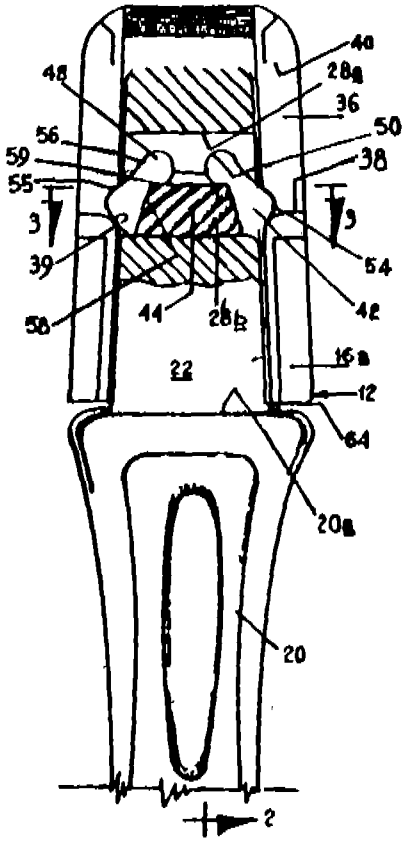


Fig. 1

Compl. Specn. 21 Pages. Drgs. 2 Sheets.

Ind. Cl. : 74-XXI (1). 168133
Int. Cl. : D 03 D 15/00, 25/00.

PROCESS FOR MANUFACTURING A HIGH STRENGTH WOVEN FABRIC FROM A GREIGE WOVEN FABRIC.

Applicant : THE GOODYEAR TIRE & RUBBER COMPANY, A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA, OF 1144 EAST MARKER STREET, AKRON, OHIO 443160001, UNITED STATES OF AMERICA.

Inventors : DONALD LEON BROWN, JAMES THOMAS WEISSERT, ROOP SINGH BHAKUNI & GREGORY STEPHEN ROGOWSKI.

Application for Patent No. 641/Del/86, filed on 17th July, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

15 Claims

A process for manufacturing high strength woven fabric, said process comprises :

(a) drawing a polymeric yarn to a draw ratio that is 70% to 99% of the draw ratio that would fully draw the yarn to produce an optimally drawn yarn,

(b) twisting at least two of said optimally drawn polymeric yarns onto a cord,

(c) weaving a plurality of said cords into a greige woven fabric and

(d) stretching and relaxing said greige woven fabric at a temperature of 200°C to 280°C to reduce the denier of the cords in said fiber from 1% to 10%.

Compl. Specn. 17 Pages. Drg. Nil.

Ind. Cl. : 32 F 3 (C). 168134
Int. Cl.[4] : C 13 K-1/00.

PROCESS FOR THE PREPARATION OF GLUCOSE ISOMERASE.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : VANDANA SHRIKRISHNA DHAMANKAR, SUSHAMA MUGUTRAO GAIKWAD, JAYANT MALHAR KHIRE, SHRIKRISHNA RAMCHANDRA MODAK, VISHNU KALOJI POWER & HARI GOPAL VARTAK.

Application for Patent No. 837/Del/86, filed on 23rd September, 1986.

Complete Specification left on 18th December, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

7 Claims

A process for the preparation of glucose isomerase which comprises culturing/growing a streptomyces strain of accession No. 2730 of National Collection of Industrial Organisms in an aerobic submerged culture by conventional methods at 20-37°C at PH between 6.5 to 7.5 for a period of 72-120 hrs. in a suitably formulated aqueous nutrient medium such as herein described, if desired, extracting isomerase by known methods.

Provisional Specification 4 Pages.
Compl. Specn. 7 Pages.

Ind. Cl. : 39 K (III). 168135
Int. Cl.[4] : C 01 C 1/28.

AN IMPROVED PROCESS FOR THE PRODUCTION OF ALKALI SOLUBLE HUMIC ACID AND AMMONIUM SALT THEREOF FROM LOW RANK COAL, WEATHERED COAL OR LIGNITE THROUGH SOLID GAS REACTION.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : (1) MURARI CHAKRABORTY, (2) SUKURU RAMAKRISHNA RAO, (3) SUBIR KUMAR MUKHOPADHYAY, (4) SWAPAN KUMAR GHOSH.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

11 Claims

An improved process for the production of dry alkali soluble humic acid and ammonium salt thereof from low-rank coal, weathered coal or lignite without any pretreatment which comprises pulverising followed by oxidising in a single step, the above said material with air in the presene of nitric acid vapour or oxides of nitrogen or other industrial effluents containing these gases at temp. & pressure such as herein described, subjecting the resultant humic acid to vapour-phase ammoniation through solid-gas reaction by known methods such as herein described to produce ammonium salt of humic acid.

Compl. Specn. 11 Pages. Drg. 1 Sheet.

Ind. Cl. : 70 C4 & 188. 168136
Int. Cl.[4] : C 25 D 5/24 & H05 K 3/04.

A METHOD FOR THE MANUFACTURE OF PRINTED CIRCUIT BOARDS.

Applicant : KOLLMORGAN TECHNOLOGIES CORPORATION, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF TAXAS, HAVING A PLACE OF BUSINESS AT 717 NORTH HARWOOD STREET, SUITE 1000, LOCK BOX 67, DALLAS, TEXAS 75201, UNITED STATES OF AMERICA.

Inventors : DENIS MICHALE MORRISSEY, PETER EDWARD TAKACH & RUDOLPH JOHN ZEBLISKY.

Application for Patent No. 874/Del/1986, filed on 1st October, 1986.

Divisional to Application No. 68/Del/1984, filed on 24th January, 1984.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

4 Claims

A method for the manufacture of printed circuit boards which includes forming holes in a copper clad insulating sheet, or in a laminate formed by plurality of sheets, and providing the walls of said holes with metal layer, and applying a image resist layer to said copper clad sheet where in said providing the walls of said walls with metal layer comprises (A) forming a plurality of metallic sites on the walls of said holes, said sites comprising or consisting of a metal (A), said metal (A) being different from metal (B) to be deposited on surface of said walls by electroplating : and (b) at a subsequent step exposing said sheet or laminate to an electroplating bath solution of predetermined conductivity, comprising said metal (B) to be electro-deposited in dissolved form, and further one or more component (S) (C) which cause preferential deposition of said metal (B) on said metallic sites, compared to the deposition on surfaces consisting of or formed by the species of the electro-deposited metal (B) : and (C) applying a potential to the copper clad sheet or laminate and a counter-electrode placed in said plating bath solution sufficient to initiate and cause preferential deposition of metal (B) on said sites for a time sufficient to form a desired deposit of substantially uniform thickness.

Compl. Specn. 40 Pages. Drgs. 4 Sheets.

Ind. Cl. : 80 K VI. 168137
Int. Cl.[4] : C 02 F 5/00.

APPARATUS FOR MAGNETIC TREATMENT OF FLOWING LIQUID.

Applicant : OLAF FJELDSEND A/S, A NORWEGIAN COMPANY, OF P.O. BOX 146, 3200 SANDEFJORD, NORWAY.

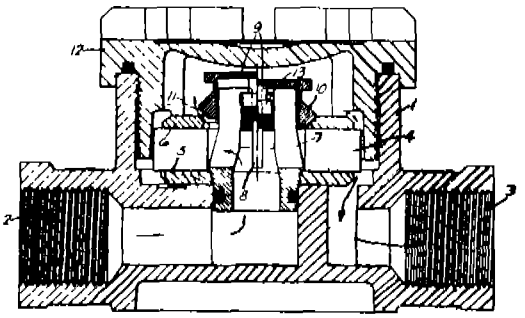
Inventor : OLAF FJELDSEND JR.

Application for the Patent No. 938/Del/86, filed on 23rd October, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

3 Claims

Apparatus for the magnetic treatment of a flowing liquid, comprising a housing (1) through which the liquid flows, and at least one annular permanent magnet (4) having radially extending pole shoes (5, 6), the permanent magnet being mounted in the housing in such a manner that the liquid will flow from an inlet (2) through the cylindrical space of the magnet (4) and through a magnetic field gap (11) formed partially with one (6) of the magnetic pole shoes, characterised in that the apparatus is provided with a substantially cylindrical cup member (7) disposed within the cylindrical space of the magnet and coaxially thereto, in magnetic connection with the other magnet pole shoe (5) said cup member (7) being provided with a slots or apertures (8) in its walls and being provided with a radially extending collar (10) of ferro-magnetic material, said collar forming, together with said first pole shoe (6) the said magnetic field gap (11).



Compl. Specn. 6 Pages. Drg. 1 Sheet.

Ind. Cl. : 206 E. LXII. 168138
Int. Cl.[4] : H 03 K 5/00.

APPARATUS FOR DETERMINATION OF THE LOCATION OF REFLECTION POINTS ALONG A PULSE TRANSMISSION LINE.

Applicant : AKTIESELSKABET NORDISKE KABEL-OG TRAADFABRIKER, A DANISH COMPANY, OF LA COURS VEJ 7, DK-2000 FREDERISBERG, DENMARK.

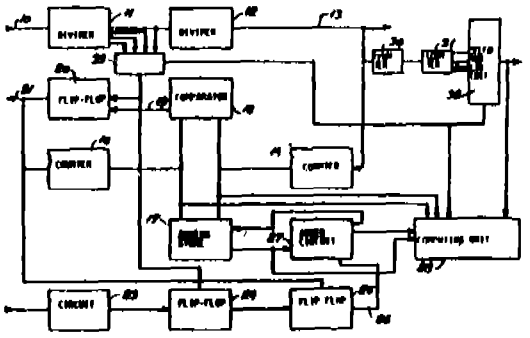
Inventor : OLE RASSING ANDERSEN.

Application for Patent 939/Del/86, filed on 23rd October, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

5 Claims

An apparatus for determination of the location of reflection points along a pulse transmission line, said apparatus comprising means (1) connected to the transmission line (5) for providing an excitation pulse thereto for each measurement in response to a clock pulse signal, means (3) for receiving pulse reflected from the transmission line (5), and comprising computing means for computing the time distance between a reflection point and a reference point, a store (17) connected to detection means, said store having a predetermined number of store cells corresponding to a plurality of detection intervals along the transmission line, said detection means (23, 24, 25) connected to the transmission line and detecting in two or more detection intervals associated with one measurement and evenly spaced along the pulse transmission line (5), and storing a signal in precisely the store cell which corresponds to the respective detection interval in which a reflected pulse is detected.



Compl. Specn. 16 Pages. Drgs. 3 Sheets.

Ind. Cl. : 32 B. 168139
Int. Cl.[4] : C 07 C 7/00.

CONTINUOUS PROCESS FOR TREATING A MERCAPAN-CONTAINING HYDROCARBON FEED STREAM.

Applicant : UOP INC., A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE IN THE UNITED STATES OF AMERICA, WITH ITS PRINCIPAL PLACE OF BUSINESS LOCATED AT 20 UOP PLAZA, ALGONQUIN & MT. PROSPECT ROADS, DES PLAINES, ILLINOIS 60017, U.S.A.

Inventor : THOMAS VERACHTERT.

Application for Patent No. 1008/Del/86, filed on 19th November, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

5 Claims

A continuous process for treating a mercaptan-containing hydrocarbon feed stream comprising paraffinic hydrocarbons, at least 5 mole percent olefinic hydrocarbons and at least 1 mole percent total diolefinic and acetylenic hydrocarbons to remove mercaptans therefrom and produce a low mercaptan content product similar to the hydrocarbon feed stream, which comprises the steps of :

(a) contacting said feed stream with a regenerated aqueous alkaline solution in a first extraction zone and thereby forming a treated hydrocarbon stream and a mercaptan-rich aqueous alkaline solution which comprises diolefinic hydrocarbons and acetylenic hydrocarbons; characterised by :

(b) removing diolefinic and acetylenic hydrocarbons from the mercaptan-rich aqueous alkaline solution by contacting it with a hydrocarbon stream as herein described in a second extraction step and thereby forming a treated mercaptan-rich aqueous alkaline solution;

(c) passing the treated mercaptan-rich aqueous alkaline solution into a mercaptan conversion step in which mercaptans are converted by catalytic oxidation at known conditions in the presence of an oxidation catalyst as herein described to hydrocarbon soluble sulfur-containing chemical compounds as herein described, and producing a conversion step effluent stream which comprises said sulfur-containing chemical compounds and

(d) separating a majority of said sulfur-containing chemical compounds from the conversion step effluent stream in a separation step to form said regenerated aqueous alkaline solution and passing same to step (a).

Compl. Specn. 22 Pages. Drg. 1 Sheet.

Ind. Cl. : 130 I [XXX III (7)]. 168140
Int. Cl.[4] : C 22 B 23/04 & 15/10.

A PROCESS FOR THE EXTRACTION OF METAL VALUES FROM DEEP SEA POLYMETALLIC NODULES BY DIRECT REDUCTIVE AMMONIA LEACHING.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : SRIDHARA ACHARYA & RADHANATH PRASAD DAS.

Application for Patent No. 1137/Del/86, filed on 24th December, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

7 Claims

An improved process for the extraction of metal values like copper, nickel and cobalt from polymetallic ocean nodules which comprises direct leaching of said nodules with dilute sulphurous acid and or sulphur dioxide gas at a temperature of 60-100°C and a pressure of 0-2 kg/cm² in the presence of ammonia and ammonium sulphate with a constant agitation to obtain leach liquor containing the metal values as soluble amines and separating the metal values from leach liquor by conventional methods.

Compl. Specn. 11 Pages. Drg. Nil.

Ind. Cl. : 68-E1 & 69-O & F-[GROUPS—LVII(3) & LIX(1)]. 168141
Int. Cl.[4] : H 02 B 1/00; 13/00.

A HIGH VOLTAGE METAL CLAD ELECTRICAL SUBSTATION.

Applicant : MERLIN GERIN, A FRENCH COMPANY, OF RUE HENRI TARZE, F 38050 GRENOBLE CEDEX, FRANCE.

Inventors : (1) ALDO DIAFERIA, (2) MICHEL MESSIE.

Application No. 82/Mas/87, filed on 6th February, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

8 Claims

A high voltage metal clad electrical substation comprising :

— a metal enclosure filled with a high dielectric strength gas,

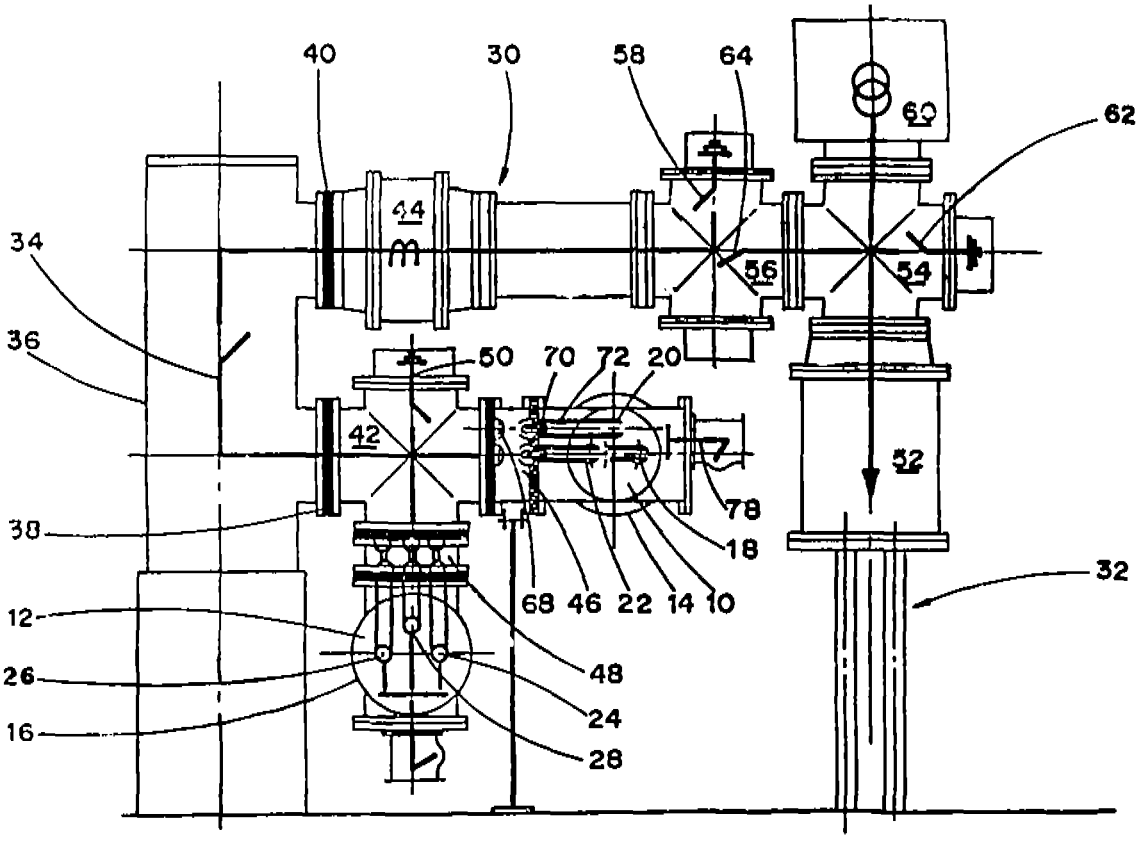
— tight insulating partitions subdividing said enclosure,

— a plurality of compartments bounded in said enclosure by said tight partitions, notably a circuit breaker compartment, a busbar compartment and an isolating switch compartment located between the circuit breaker compartment and the busbar compartment,

— an electrical circuit breaker housed in the circuit breaker compartment,

— at least one conducting bar housed in the busbar compartment,

— an isolating switch having an operating mechanism, a movable contact and a mechanical link connecting the movable contact to the mechanism, said isolating switch providing in the closed position the electrical connection from the circuit breaker to the bar and in the open position electrically isolating the circuit breaker from the bar, said mechanism being housed in the busbar compartment and said movable contact in the isolating switch compartment, said mechanical link passing tightly through the partition separating the busbar compartment and the isolating switch compartment.



Compl. Specn. 11 Pages. Drgs. 3 Sheets.

3—G—447 GI/90

Ind. Cl. : 23—B [GROUP XL (3)]. 168142
Int. Cl.[4] : B 31 D 3/00.

A COMPOSITE FLEXIBLE PACKING BOX.

Applicant : GORANTLA SUDHAKAR, DR. MULLANGI RAVIDRANATH AND DR. GORANTLA VENKATA CHALAPATHI, OF M/S. STANDARD PACKAGINGS, NO. 5 SIR THEAGARAYA ROAD, T. NAGAR, MADRAS-600 017, INDIAN NATIONALS.

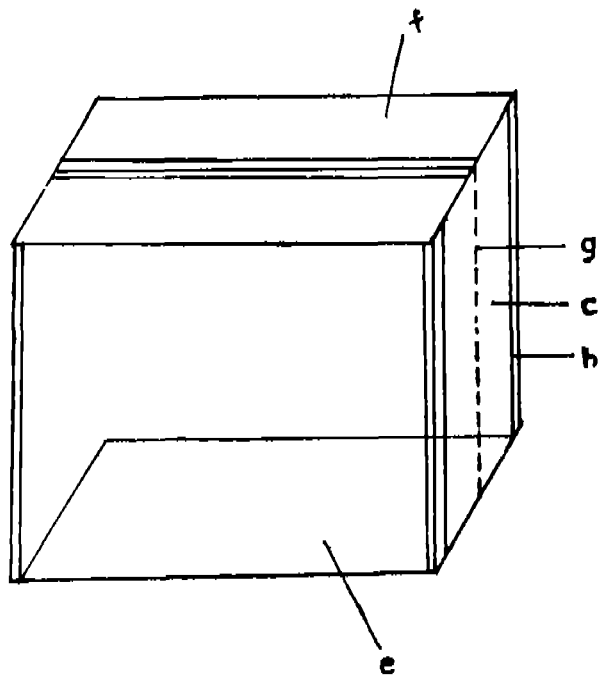
Inventor : GORANTLA SUDHAKAR.

Application No. 184/Mas/87, filed on 17th March, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

6 Claims

A composite flexible packing box, for packing materials like powders, granules and other free flowing solids, consisting of side walls, endswalls, top cover and bottom flaps formed from a single walled member attached to its side and end walls, having a paper laminated high density poly ethylene woven fabric bag, with a heat sealable poly ethylene or high molecular high density poly ethylene liner bag inside the said box.



Compl. Specn. 8 Pages. Drgs. 4 Sheets.

Ind. Cl. : 87 E [GROUP XLII (4)]. 168143
Int. Cl.[4] : A 63 B 71/08.

A LEG GUARD FOR USE IN GAMES.

Applicant : ALL WEATHER SPORTS INTERNATIONAL B.V., A DUTCH PRIVATE COMPANY WITH LIMITED LIABILITY OF WILTONSTRAAT 7-9, 2722, NG ZOETERMEET, THE NETHERLANDS.

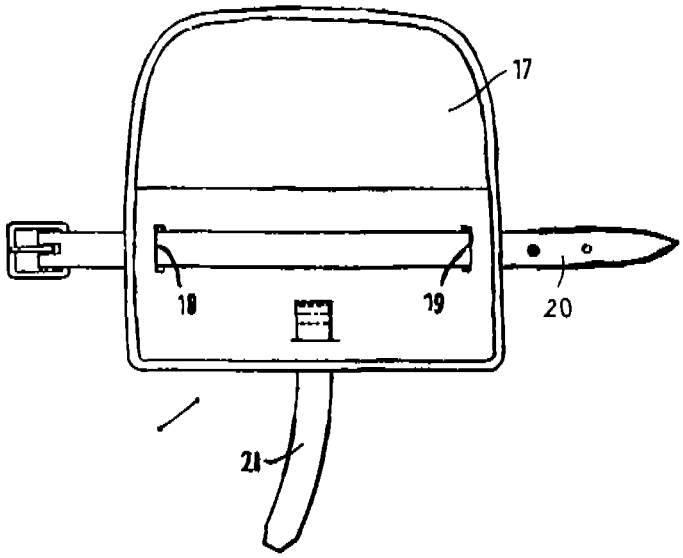
Inventor : CHRISTIAAN JAN MANINTVELD.

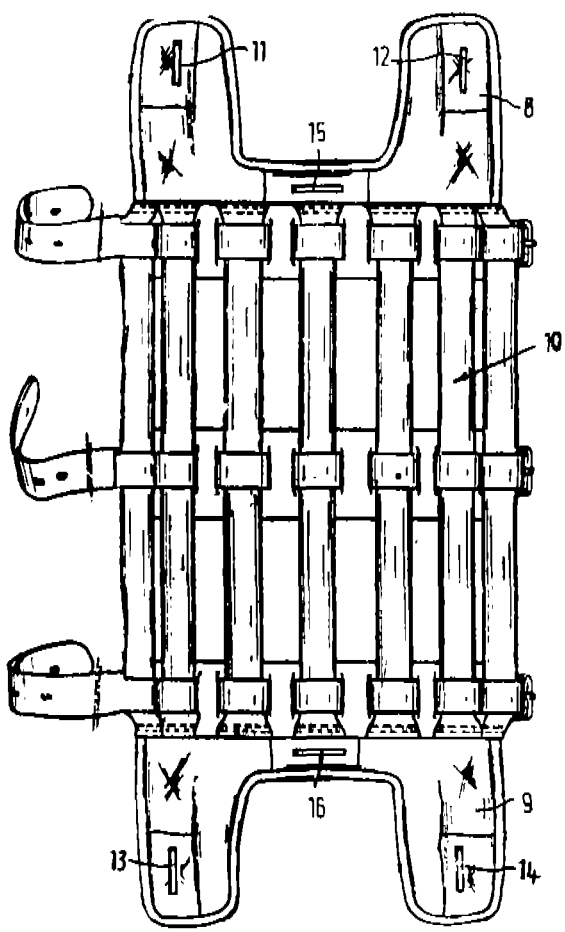
Application No. 418/Mas/87, filed on 5th June, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims

A leg guard for use in games comprising a central portion for covering the part of the leg between instep and knee joint, a first portion attached to one end of the central portion for covering the ankle joint, and a second portion for covering the knee joint, characterised in that to the other end of the central portion there is also attached a portion for covering the ankle joint and the second portion is attachable detachably to both portions for protecting the ankle joint.





Compl. Specn. 6 Pages. Drgs. 3 Sheets.

Ind. Cl. : 55-B2-[GROUP-XIX (1)]. 168144
Int. Cl.[4] : A 01 N 25/18; 59/26.

A METHOD FOR PRODUCING A CONTROLLED GAS-RELEASE ENCAPSULATED PEST CONTROL AGENT.

Applicant : DETIA FREYBERG GmbH, OF 6947, LAUDENBACH/BERGSTRASSE, FEDERAL REPUBLIC OF GERMANY, A GERMAN COMPANY.

Inventors : (1) WOLFGANG FRIEMEL, (2) HILDEGUND DIERKS, (3) VOLHER BARTH.

Application and Provisional Specification No. 3/Mas/88, filed on 4th January, 1988.

Compl. Specification left : January 3, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

8 Claims

A method for producing a controlled gas-release encapsulated pest control agent comprising preparing a pressed body from a known pesticide composition based on hydrolysable alkaline earth or earth metal phosphides and optional additives, applying to the said pressed body a continuous and uninterrupted coating of an organic resin such as herein described to form a moisture pervious film coating with a thickness of 0.01 to 2mm and a water vapour permeability in the range of 1000 to 20 g water vapour/m^2/24 hours.

Prov. Specn. 28 Pages.
Compl. Specn. 29 Pages. Drg. Nil.

Ind. Cl. : 136 C, 136 E [GROUP XIII]. 168145
Int. Cl.[4] : B 29 C 49/04.

A METHOD OF PRODUCING A HOLLOW BODY.

Applicant : MAUSER-WERKE GmbH, SCHILDGESSTRASSE 71-163, 5040 BRUHL,FEDERAL REPUBLIC OF GERMANY, A GERMAN COMPANY.

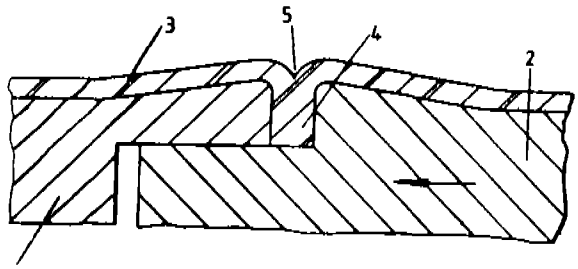
Inventor : DIETMAR PRZYTULLA.

Application No. 324/Mas/88, filed on 16th May, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

4 Claims

A method of producing a hollow body having at least one annular projecting ring on a hollow body casing, the hollow body being formed from a tube extruded into a first, open blow mould, and by subsequent blow moulding in the closed mould, the annular projecting ring being formed by compression moulding directly from the container material which is hot workable in a sliding part of the mould, wherein the internal diameter of the mould adjacent the annular projecting ring is reduced compared with the final desired diameter, the hollow body being then transferred to a second mould having an inner diameter adjacent the annular projecting ring corresponding to the final desired diameter of the hollow body, the hollow body being blow moulded so that material adjacent the ring is expanded to form a substantially smooth inner surface of the hollow body adjacent the ring.



Compl. Specn. 12 Pages. Drgs. 3 Sheets.

Ind. Cl. : 63 D [GROUP LVII (1)]. 168146
Int. Cl.[4] : H 02 K 5/12, H 02 K 5/132.

AN IMPROVED DRY TYPE SUBMERSIBLE MOTOR.

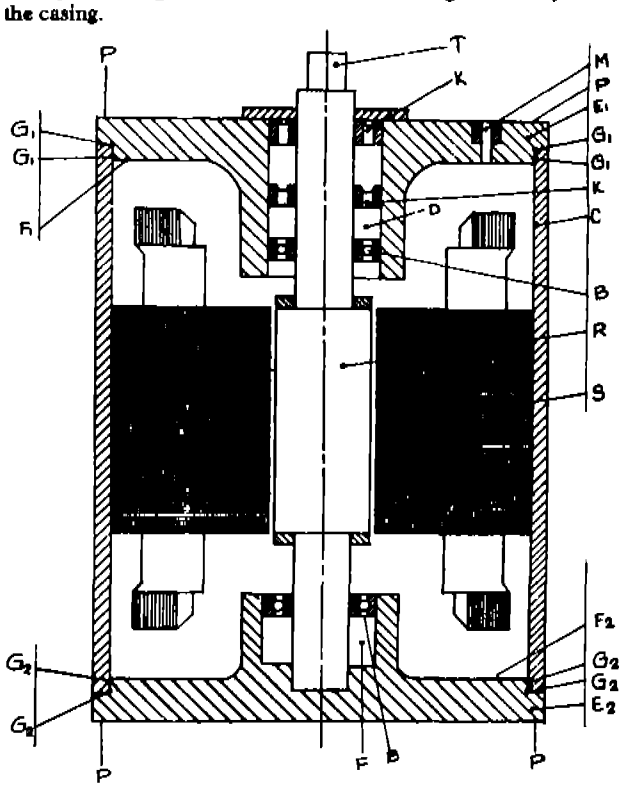
Applicant & Inventor : SRINIVASALU NAIDU THIRUVENKATESALU, B.E., 702, AVANASHI ROAD, COIMBATORE 641 018, TAMIL NADU, INDIA, INDIAN NATIONAL.

Application No. 345/Mas/88 filed on 23rd May, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

7 Claims

An improved dry type submersible motor comprising a casing enclosing the stator and rotor, said casing being provided with first and second end-shields, the first end-shield having a bore through which passes a shaft carrying the rotor, wherein each end-shield has a flange running around it forming a close fit within the casing, each such flange being provided with at least one circumferential groove for seating a flexible sealing ring therein, said ring forming a water-tight seal between each flange and the inner wall of the casing; and at least one flexible sealing bush tightly seated in the said bore and closely encircling the shaft, the end-shields being detachably fixed to the casing.



Compl. Specn. 10 Pages. Drg. 1 Sheet.

Ind. Cl. : 32-C-[GROUP-IX (1)]. 168147
Int. Cl.[4] : C 12 N 5/00.

AN IMPROVED METHOD OF PRODUCING CELL PRODUCTS SUCH AS LYMPHOKINES, ANTIGENS : IN A FERMENTATION VAT.

Applicant : NAGY ADLY HABIB, OF 15 THE CEDARS, ST. STEPHENS ROAD, EALING, LONDON W 13, ENGLAND, A BRITISH NATIONAL.

Inventors : (1) HAGY ADLY HABIB, (2) CHRISTOPHER BARRY WOOD, (3) KOSTA APOSTOLOV, (4) WILLIAM ROLAND BARKER.

Application No. 812/Mas/88, filed on 18th November, 1988.

Convention date : February 14, 1986. (No. 8603621; Great Britain).

Divisional to Patent No. 164555 (91/Mas/87); Anti-dated to February 10, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims

In a method of producing cell products such as lymphokines, antigens in a fermentation vat wherein the improvement comprises adding to the said fermentation vat in which the cells are growing, a saturated fatty acid having from 12 to 28 carbon atoms in the alkyl chain or a pharmacologically active derivative thereof and recovering cell products by any known manner.

Compl. Specn. 38 Pages. Drgs. 3 Sheets.

Ind. Cl. : 32-$F_{2(b)}$ [IX(1)]. 168148
Int. Cl.[4] : C 07 D 401/00; 471/00

A PROCESS FOR PRODUCING A CODENSED HETEROCYCLIC SULFONYLUREA COMPOUND.

Applicant : TAKEDA CHEMICAL INDUSTRIES, LTD., 27, DOSHOMACHI 2-CHOME, HIGASHI-KU, OSAKA, JAPAN, A JAPANESE COMPANY.

Inventors : (1) YASUO ISHIDA, (2) KAZUNARI OHTA, (3) TATSUO NAKAHAMA, (4) HARUTOSHI YOSHIKAWA.

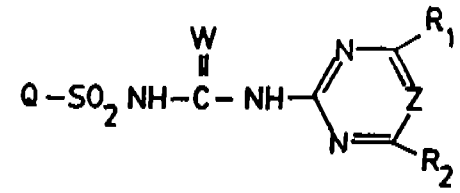
Application No. 839/Mas/88 filed on 25th November, 1988.

Divisional to Patent No. 164558 (202/MAS/87); Ante-dated to March 19, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

8 Claims

A process for producing a condensed heterocyclic sulfonylurea compound of the general formula I of the accompanying drawings



Formula (I)

wherein Q is a group of the general formula shown in figures 10 and 11 of the accompanying drawings wherein the rings (a) and (b) are a nitrogen-containing heterocyclic ring which may be substituted; R_1 and R_2 each are a C_{1-6} alkyl group, a C_{1-6} alkoxy group or a halogen and Z is CH or N, or a salt thereof; which comprises reacting a compound of the general formula IV

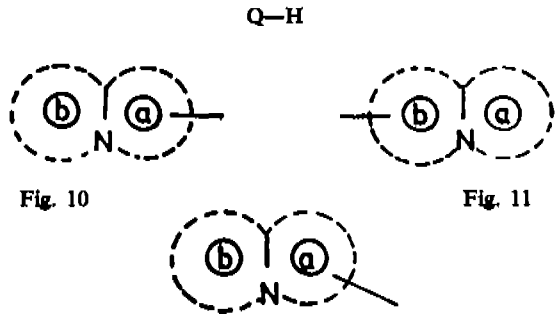
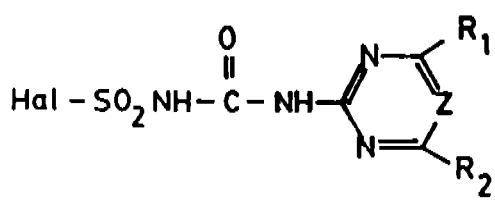


Fig. 10 Fig. 11

Fig. 12

wherein Q has the same meaning as defined above, or a salt thereof, with a compound of the general formula V of the accompanying drawings,



Formula (V)

wherein Hal is a halogen and the other symbols have the same meaning as defined above in a solvent which does not hamper the reaction such as herein described at a temperature between about 0°C to 150°C and recovering the condensed heterocylic sulfonylurea compound by any known manner.

The compounds prepared according to this invention have an excellent herbicidal effect on paddy weeds.

Compl. Specn. 162 Pages. Drgs. 30 Sheets.

Ind. Cl. : 55-E—[GROUP-XIX(1)] 168149
Int. Cl.[4] : A 61 K 9/00

A DEVICE FOR DELIVERING MEDICINALS TO ANIMAL OR HUMAN BLADDERS AND URINARY TRACTS.

Applicant : FERRING B. V., A CORPORATION OF THE STATE OF THE NETHERLANDS (EUROPE) OF P.O. BOX 553,

WAARDERWEG 45, 2003 RN, HAARLEM, THE NETHERLANDS.

Inventor : HANS VILHARDT.

Application No. 875/Mas/88 filed on 8th December, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

5 Claims

A device for delivering medicinals to animal or human bladders and urinary tracts comprising a tube shaped container having an external surface (1) composed of a polymeric minicellular porous wall (3), the said container housing a reservoir (5) capable of containing known medicines, and a compartment isolated from the said reservoir having a solution of osmotically active particles and housing an osmotic mini-pump (6) which is capable of absorbing and pushing the medicines through said porous wall (3) at a controlled and continuous rate, floatation means (4) provided in the said porous wall (3) and the reservoir (5) for keeping the container floating above the bladder outlet.

Compl. Specn.15 Pages. Drgs. 2 Sheets.

Ind. Cl. : 32-C—[GROUP-IX(1)] 168150
Int. Cl.[4] : C 12 P 21/00

A PROCESS FOR PREPARING RABIES VIRUS GLYCOPROTEIN.

Applicant : JURIDICAL FOUNDATION THE CHEMO-SERO-THERAPEUTIC RESEARCH INSTITUTE, OF 668, OKUBO, SHIMIZU-MACHI, KUMAMOTO-SHI, KUMAMOTO-KEN, JAPAN, A JAPANESE INSTITUTION.

Inventor : (1) SHINICHI SAKAMOTO, (2) TOSHIO IDE, (3) SACHIO TOKIYOSHI, (4) MICHITAKA YAMAMOTO.

Application No. 906/Mas/88 filed on 21st December, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

6 Claims

A process for preparing rabies virus glycoprotein which comprises introducing into eucaryotic cells an expression vector where a gene fragment containing a whole of or a part of the following base sequence coding for rabies virus glycoprotein

10	20	30
ATGGTTCCGC	AAGCTCTTCT	GCTTGTACCC
40	50	60
ATTCTGGGTT	TTTCCTCGTG	TTTCGGGAAA
70	80	90
TTCCCTATTT	ACACGATACC	AGACACACTT
100	110	120
CGTCCCTGGA	GCSCCGATCGA	TATACATCAT
130	140	150
CTCAGTTGCC	CAAACAATTT	GGTTGTAGAG
160	170	180
GACGAAGGAT	GCACCAACCT	GTCAGGGTTC
190	200	210
TCCTACATGG	AACTTAAAGT	TGGACACATC
220	230	240
TCAGCCATAA	AGGTGAACGG	GTTCACTTGC
250	260	270
ACAGGCGTTG	TAACAGAGGC	AGAAACCTAC
280	290	300
ACTAACTTTG	TTGGTTATGT	CACCACCACT
310	320	330
TTCAAAAGAA	AGCATTTCCG	CCCAACACCA
340	350	360
GATGCTTGTA	GAGCTGCGTA	CAACTGGAAG
370	380	390
ATGGCCGGTG	ACCCCAGATA	TGAAGAGTCT
400	410	420
CTACACAGTC	CGTACCCTGA	CTACCATTGG
430	440	450
CTTCGAACTG	TAAAAACCAC	AAAGGAGTCC
460	470	480
CTCGTTATCA	TATCTCCAAG	TGTGGCAGAT
490	500	510
TTGGACCCAT	ATGACAACTC	CCTTCACTCG
520	530	540
AGGGTCTTCC	CTAGCGGAAA	GTGCTCAGGA
550	560	570
ATAACAGTAT	CTTCTGTCTA	CTGCTCAACT
580	590	600
AACCACGATT	ACACCGTTTG	GATGCCTGAA
610	620	630
AGTCTGAGAC	TAGGGACATC	TTGTGACATT
640	650	660
TTTACCAATA	GTAGAGGGAA	GAGAGTATCC
670	680	690
AAGGGGAGCA	AGACCTGTGG	CTTTGTAGAT
700	710	720
GAAAGAGGCC	TATATAAGTC	TCTAAAAGGC
730	740	750
GCATGCAAAC	TCAAGTTGTG	TGGAGTTCGT
760	770	780
GGACTTAGAC	TTATGGACGG	AACATGGGTC
790	800	810
GCGATGCAGA	CATCAAATGA	GACCAAATGG
820	830	840
TGTCCTCCCG	ATCAGTTGGT	TAATCTGCAC

850	860	870
GACCTTCGCT	CAGATGAAAT	CGAGCATCTT
880	890	900
GTTATAGAGG	AGTTGGTCAA	GAAAAGAGAG
910	920	930
GAGTGTCTGG	AGTTATTTAA	GAAAACTTGT
940	950	960
ACCACCAAGT	CAGTGAGTTT	CAGACGTCTC
970	980	990
AGTTATTTAA	GAAAACTTGT	CCCCGGGTTC
1000	1010	1020
GGAAAAGCAT	ATACCATATT	CAACAAGACC
1030	1040	1050
TTGATGGAGG	CTGAAGCTCA	CTACAAGTCA
1060	1070	1080
GTCAGGACTT	GGAATGAGAT	CATCCCCTCA
1090	1100	1110
AAAGGATGTT	TGAGAGTTGG	AGGGAGGTGT
1120	1130	1140
CATCCTCATG	TAAACGGGGT	GTTTTTCAAT
1150	1160	1170
GGTATAATAT	TAGGGCCTGA	CGGTCATGTT
1180	1190	1200
TTAATCCCAG	AGATGCAATC	ATCCCTCCTC
1210	1220	1230
CAGCAACATA	TAGAGTTATT	GGAATCCTCA
1240	1250	1260
GTTATTCCCC	TGATGCACCC	CCTTGCAGAC
1270	1280	1290
CCGTTCACAG	TTTTCAAGGA	CGGCGATGAG
1300	1310	1320
ACTGAGGATT	TTATAGAAGT	TCACCTTCCC
1330	1340	1350
GATGTGCACG	AACAAGTCTC	AGGGGTTGAC
1360	1370	1380
CTGGGTCTCC	CGAACTGGGG	GGAGTATGTA
1390	1400	1410
TTACTAAGTG	CAGGGACCTT	GATTGCCTTG
1420	1430	1440
ATGTTGATAA	TTTTCCTAAT	GACATGTTGT
1450	1460	1470
AGAAAAGTCG	ATCGGCCAGA	ATCTACACAA
1480	1490	1500
CGCAGTCTCA	GAGGGACAGG	AAGGAATGTG
1510	1520	1530
TCAGTCACCT	CCCAAAGCGG	GAAATTCATA
1540	1550	1560
CCTTCATGGG	AGTCGTATAA	AAGTGGGGGT
1570		
GAGACTGGAC	TGTGA	

culturing said transformed cells to yield to a rabies virus glycoprotein in said cells;

crushing said cells by means of a physical treatment such as a ultrasonic treatment or a treatment with glass beads or if needed optionally with a chemical treatment such as a treatment with a surfactant; and

purifying the obtained lysate byan affinity chromatography after removing precipitates by centrifuge to obtain the rabies virus glycoprotein.

Compl. Spcen. 42 Pages. Drgs. 6 Sheets.

CLASS : 32-A1. 168151
Int. Cl. : C 09 b 45/28.

PROCESS FOR THE PREPARATION OF WATER-SOLUBLE COPPER COMPLEX DISAZO COMPOUNDS.

Applicant : HOECHST AKTIENGESELLSCHAFT, OF 6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

Inventors : (1) FRITZ MEININGER, (2) HANS HELMUT STEUERNAGEL.

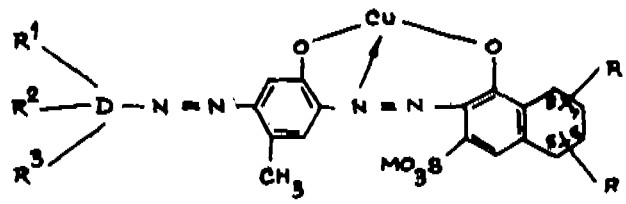
Application No. 734/Cal/86 filed on 9th October, 1986.

Divisional of Application No. 976/Cal/83 Ante-dated to 4th August, 1983.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

15 Claims

A process for the preparation of a water-soluble copper complex disazo compound of the formula (1) of the accompanying drawings



Formula 1

in which :

D is a benzene ring or a naphthalene ring;

R^1 is a sulfo group or a carboxy group if D is a benzene ring, and is a sulfo group if D is a naphthalene ring;

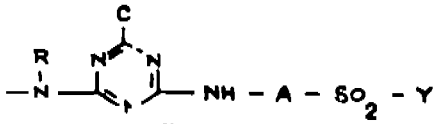
R^2 is a hydrogen atom, a sulfo group, a carboxy group, an alkyl group having 1 to 4 carbon atoms, an alkoxy group having 1 to 4 carbon atoms, a chlorine atom, a bromine atom, an alkanoylamino group having 2 to 5 carbon atoms or a benzoylamine group if D is a benzene ring, and is a hydrogen atom or a sulfo group if D is a naphthalene ring;

R^3 is a hydrogen atom, an alkyl group having 1 to 4 carbon atoms, an alkoxy group having 1 to 4 carbon atoms or a chlorine atom if D is a benzene ring, and is hydrogen atom or a sulfo group if D is a naphthalene ring;

R^1, R^2 and R^3 in all cases to have meanings which are identical with one another or different from one another; M is a hydrogen atom or the equivalent of an alkali or alkaline earth metal or of a trivalent metal of the third main group;

R^1 is a hydrogen atom or a sulfo group which can be attached in the 5—, 6—, 7—or 8—position of the naphthol nucleus;

R^* is a group of the formula (2) which is attached in the 5—, 6—, 7—, or 8—position of the naphthol nucleus and in which



Formula 2

R is a hydrogen atom or an alkyl group having 1 to 6 carbon atoms, which can be substituted by a hydroxy group, a sulfo group or an acylated hydroxy group,

A is a phenylene group which can be substituted by one or two substituents belonging to the group comprising alkyl having 1 to 4 carbon atoms, alkoxy having 1 to 4 carbon atoms, alkoxy having 1 to 4 carbon atoms, chlorine, bromine, carboxy and sulfo or is a naphthylene radical which can be substituted by a sulfo group, and

Y is vinyl group or a group of the general formula—CH_2—CH_2—Z

in which

Z is substituent which can be eliminated under alkaline conditions, such as, for example, a chlorine atom, the acetoxy group, a thiosulfato group, a phosphato group and, preferably, a sulfato group, except those compounds of the general formula (1) in which, at the same time, D is a benzene ring and R^1 and R^2 are both sulfo groups located in the para-position relative to one another, and R' is a sulfo group located in the 5-position of the naphthol moiety, and R^* is a group of the general formula (2) located in the 6-position of the naphthol moiety, which process comprises

reacting at a temperature between 0 and 60°C and at a pH between 4 and 6, with a copper donor, such as herein described in the presence of an agent having an oxidizing action known per se, a disazo compound of the formula (5) in which D, R^1, R^2, R^3, R', R^* and M have the meanings mentioned, excepting, however, disazo compounds of the formula (5) in which, at the same time, D denotes a benzene nucleus, R^1 and R^2 both denote sulfo groups in the para-position relative to one another, R' denotes a sulfo group located in the 5-position of the naphthol nucleus and R^* denotes a group of the formula (2) located in the 6-position.

Compl. Specn. 31 Pages. Drgs. 20 Sheets.

CLASS : 206-E. 168152
Int. Cl. : H 04 I 17/00; H 03 k 17/296.

AN ELECTRICAL AUTOMATION ASSEMBLY.

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF WITTELSBACHERPLATZ 2, D-8000, MUNCHEN 2, WEST GERMANY.

Inventors : (1) HEINZ SCHMIDT, (2) REINHARD SCHIRBL, (3) OTTO MEUSEL.

Application No. 84/Cal/1987 filed on 28th January, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

16 Claims

An electrical automating assembly comprising :

a support bar;

a plurality of signal processing modules supported on said bar characterised in that said plurality of modular module carriers are removably attached to said support bar, said modules being detachably fastened to said module carriers, each of said module carriers being provided with a respective matching circuit;

conductive means comprising plug connectors for electrically connecting each of said module carriers to adjacent module carriers;

coupling means for connecting external leads to said modules said coupling means including a plurality of terminal blocks for coupling the respective terminal block to said respective module carriers and said plurality of modules being provided with contact means for establishing electrical connection between said modules and respective terminal block.

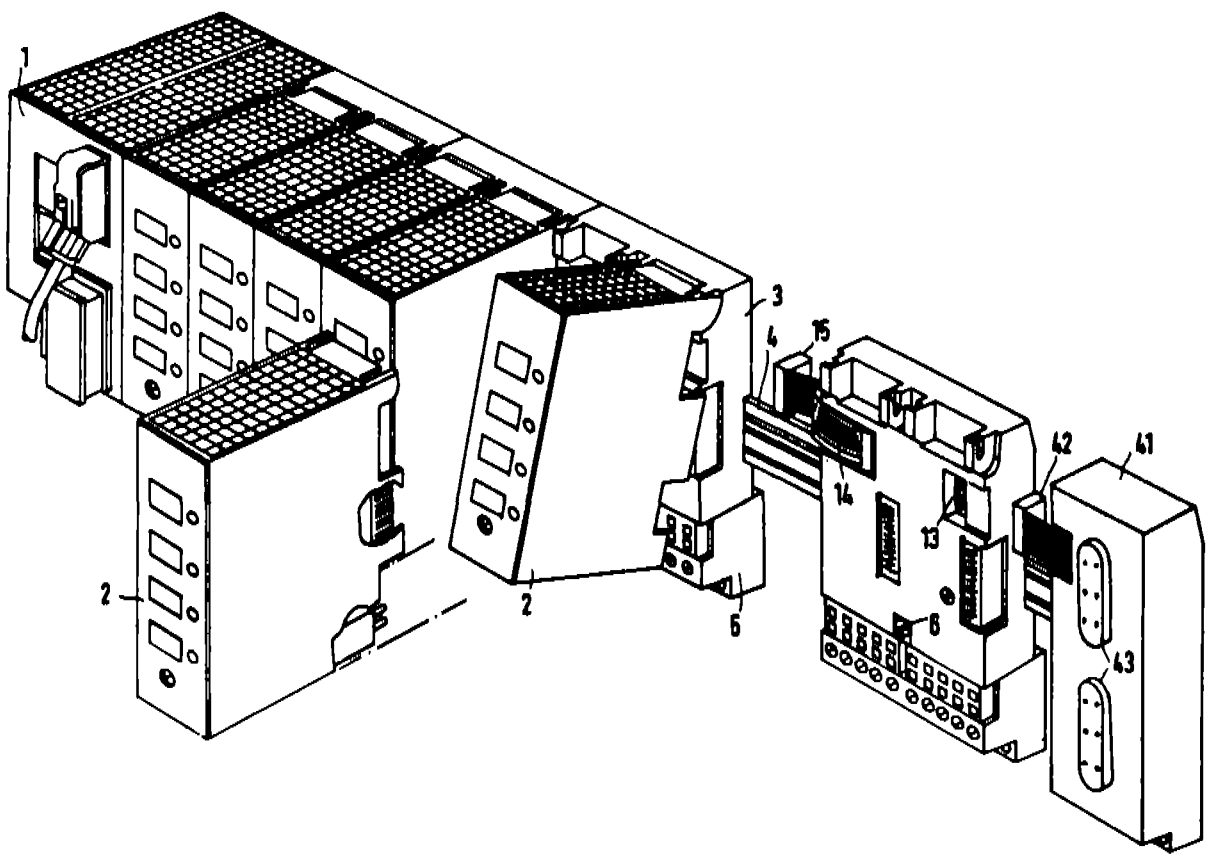


Fig. 1

Compl. Specn. 19 Pages. Drgs. 6 Sheets.

CLASS : 170-B. 168153
Int. Cl. : C 11 d 3/00, 3/08.

A DETERGENT BAR CONTAINING ALUMINIUM SILICATE.

Applicant : DEGUSSA AKTIENGESELLSCHAFT, OF 6000 FRANKFURT AM MAIN, WEISSFRAUENSTRASSE 9, F.R. GERMANY.

Inventors : (1) MANFRED DIEHL, (2) WOLFGANG LEONHARDT, (3) ROLAND BERGMANN.

Application No. 224/Cal/1987 filed on 20th March, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

8 Claims

A detergent bar which is comprised of from 5 to 50% by weight surfactants such as herein described from 5 to 60% by weight aluminum silicate from 0 to 60% by weight filler such as herein described and washing alkalis 1% by weight conventional additives and from 0 to 8% by weight lubricants such as herein described.

Compl. Specn 14 Pages. Drg. 1 Sheet.

CLASS : 40-F; 131-A_2, B_3. 168154
Int. Cl. : C 22 c 26/00.

PROCESS FOR PRODUCING DIAMOND-CONTAINING COMPOSITE MATERIAL.

Applicant : INSTITUT SVERKHTVERDYKH MATERIALOV AKADEMII NAUK UKRAINSKOI SSR, OF KIEV, ULITSA AVTOZAVODSKAYA, 2, U S S R.

Inventors : (1) ALEXANDR IVANOVICH BORIMSKY, (2) NIKOLAI VASILIEVICH NOVIKOV, (3) VLADIMIR ILIICH GOROKHOVSKY, (4) PETER ARSENIEVICH NAGORNY, (5) EDUARD SEMENOVICH SIMKIN, (6) VIKTOR EFIMOVICH SKVIRSKY, (7) VALERY IOSIFOVICH RUSAKOV, (8) BORIS ALEXEEVICH URJUKOV, (9) EVGENY MIKHAILOVICH FINKELSHTEIN.

Application No. 374/Cal/1987 filed on 8th May, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

2 Claims

A process for producing a composite diamond-containing material based on a hard alloy-tungsten carbide-cobalt, comprising application of a powder-like hard-alloy charge consisting of 80-94% by mass of tungsten carbide and 20-6% by mass of cobalt onto diamond grains for the preparation of a diamond-containing charge; diamond is employed in such an amount that its quantity in the composite diamond-containing material be equal to 25—40% by volume; application of the powder-like hard-alloy charge onto diamond grains is effected in two stages, in the first stage said application is effected by treating a preliminarily prepared mixture of diamond grains and a powder-like hard-alloy charge, with a plasma jet containing ions of the elements constituting the hard-alloy charge, while in the second stage said application of the powder-like hard-alloy charge is effected by granulation; in the first stage the amount of the hard-alloy charge applied onto the diamond grains is 2—3% by weight of is subjected to cold pressing into briquettes which are then subjected to heat-treatment in a reducing medium at a temperature of from 600 to 850°C with residence under isothermal conditions for a period of from 25 to 50 minutes; then the briquettes are subjected to hot pressing under high-pressure conditions at a temperature within the range of from 1,100 to 1,300°C under a pressure of from 5 to 50 kbar at a rate of temperature elevation of 400-600°C/min and at a rate of pressure raise of 20 to 60 kbar/min; after reaching the predetermined temperature and pressure values in the stage of hot pressing, the briquettes are subjected to a residence for 0.5—10 minutes; to resulting composite diamond-containing material is cooled simultaneously with pressure relieving, said cooling being effected at a rate of from 750 to 1,000°C/min and pressure relieving, at a rate of from 7 to 20 kbar/min.

Compl. Specn 17 Pages. Drg. Nil.

CLASS : 12-D; 85-G. 168155
Int. Cl. : C 21 d 9/56.

AN IMPROVED BELL TYPE CONVECTION ANNEALING FURNACE.

Applicant : EBNER INDUSTRIEOFENBAU GESELLSCHAFT M.B.H. RUFLINGER STRASSE 111, A-4060 LEONDING, AUSTRIA.

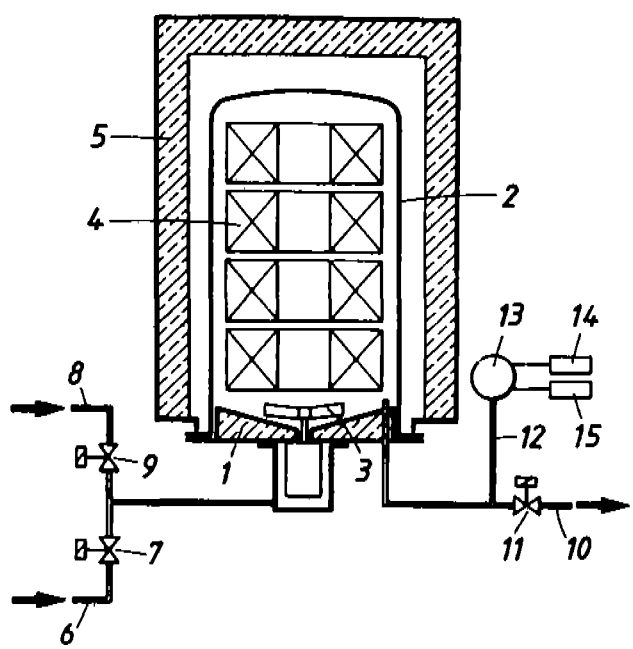
Inventor : DIPL. ING. PETER EBNER.

Application No. 580/Cal/1987 filed on 29th July, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

3 Claims

A bell type convection annealing furnace for processing coils of steel wire and steel strips comprising a protective bell over and around the stack of coils and/or steel strips and a heating or cooling bell over the protective bell, a fan at the lower end of the furnace for introducing and/or purging gases in and from the protective bell, characterised in that there are provided means for monitoring the pressure in the protective bell, means for setting a predetermined time limit and means controlling the pressure in the protective bell in sequence with the said monitoring and time setting means.



Compl. Specn. 9 Pages. Drg. 1 Sheet.

CLASS : 116-B. 168156
Int. Cl. : B 65 g 67/00.

5 Claims

A TRAVELLING-ON TRACK BULK MATERIAL LOADING WAGON WITH ADJUSTABLE UNLOADING CHUTES.

Applicant : FRANZ PLASSER BAHNBAUMASCHINEN-INDUSTRIEGESELLSCHAFT M.B.H., A-1010 WIEN, JOHANNESGASSE 3, AUSTRIA.

Inventors : (1) ING. JOSEF THEURER, (2) ING. JOHANN HANSMANN.

Application No. 658/Cal/1987 filed on 20th August, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

A travelling on-track bulk material loading wagon comprising a chassis (3) mounted on on-track undercarriages (2) and a container (4) provided on the chassis for storing the bulk material with conveyor belt arrangement (8, 12) for transporting the bulk material of which the effective conveying (16) range extends at least substantially over the entire length of the container and further comprising ejection hopper (26, 46) arrangement with adjustable unloading (23, 43) chutes for selectively ejecting the ballast to the left and right of each rail, characterized in that the conveyor belt arrangement (16) comprising at least one conveyor belt (8, 12; 34, 35) is arranged inside the wagon container in the lower region thereof and is passed outside of the wagon through a slot like outlet opening (15; 47) in the front end wall (14; 39) (in the transporting direction) of the container and in that the ejection hopper (26, 46) arrangement with adjustable unloading chutes (23; 43) is arranged outside the wagon container (4; 33) and is associated with the conveyor belt arrangement.

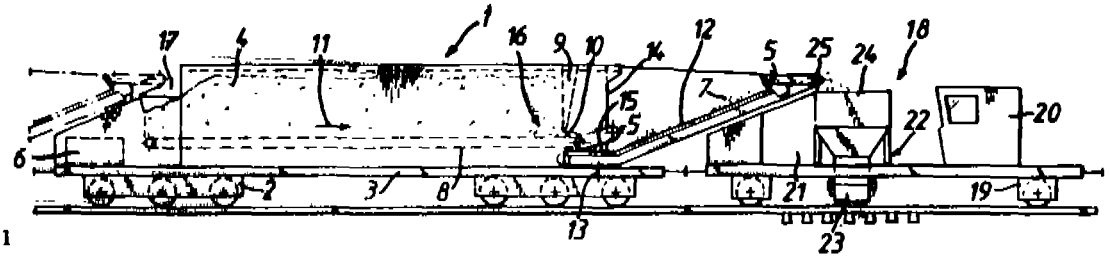


Fig. 1

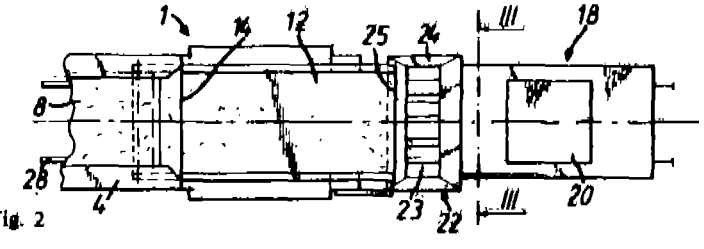


Fig. 2

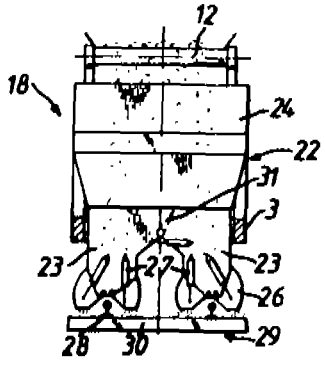


Fig. 3

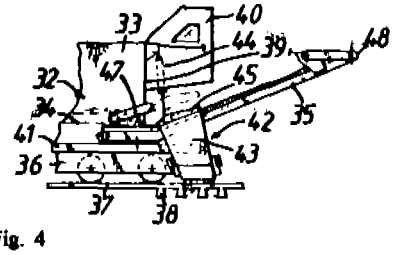


Fig. 4

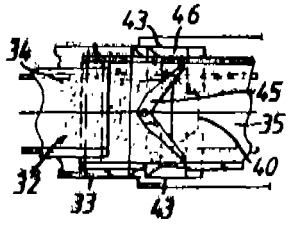


Fig. 5

Compl. Specn 15 Pages. Drg. 1 Sheet.

CLASS : 25-C. 168157
Int. Cl. : B 28 b 1/00.

Application No. 737/Cal/1987, filed on September 15, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

19 Claims

METHOD FOR PRODUCING SELF-SUPPORTING CERAMIC COMPOSITE BODIES.

Applicant : LANXIDE TECHNOLOGY COMPANY, LP, TRALEE INDUSTRIAL PARK, NEWARK, DELAWARE 19711, U. S. A.

Inventors : (1)DANNY RAY WHITE, (2) MICHAEL K. EVERK AGHAJANIAN, (3) HARRY RICHARD ZWICKER.

A method for producing a self-supporting ceramic composite body having therein one or more channels inversely replicating the geometry of a configured fugitive metal, said ceramic composite body comprising (1) a ceramic matrix obtained by oxidation of a parent metal to form a polycrystalline material consisting essentially of (i)

the oxidation reaction product of said parent metal with an oxidant and (ii) one or more metallic constituents including constituents of said fugitive metal such as herein described and (2) a filler such as herein described infiltrated by said matrix, the method comprising the steps of:

(a) positioning said configured fugitive metal, supported by a mass of said filler, adjacent said parent metal relative to each other so that formation of said oxidation reaction product will infiltrate said filler and engulf at least a part of said configured fugitive metal, said filler being permeable to said oxidant when required for said oxidant to contact the molten parent metal, and being permeable to growth therethrough of said oxidation reaction product;

(b) heating said parent metal to a temperature above its melting point but below the melting point of said oxidation reaction product to form a body of molten parent metal and, at said temperature, (1) reacting the molten parent metal with said oxidant to form said oxidation reaction product, (2) maintaining at least a portion of said oxidation reaction product in contact with and between said body of molten metal and said oxidant, to progressively draw molten parent metal through the oxidation reaction product towards said oxidant and said configured fugitive metal to continue to form oxidation reaction product at the interface between said oxidant and previously formed oxidation reaction product, (3) continuing said reacting for a time sufficient to engulf at least a part of said configured fugitive metal within said polycrystalline material whereby said fugitive metal becomes dispersed within said polycrystalline material and concurrently forming one or more channels which inversely replicate the geometry of the engulfed part of said configured fugitive metal, and (4) separating the resulting ceramic composite body from excess filler, if any.

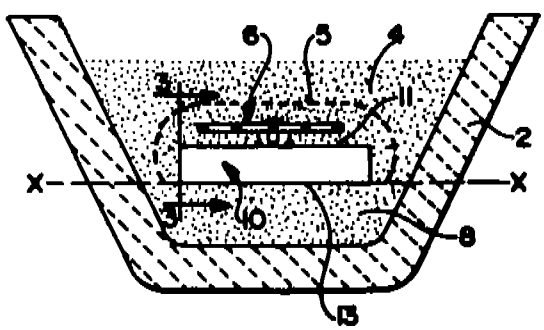


Fig. 1

Compl. Specn. 33 Pages. Drgs. 3 Sheets.

CLASS : 70-A. 168158
Int. Cl. : G 01 n 27/30; 27/40.

ION SELECTIVE ELECTRODES.

Applicant & Inventors : KAITKINENI JAGAN MOHAN RAO AND KAITKINENI SAVITRI RAO OF 2 BALDWIN HILL PLACE, MOORESTOWN, NEW JERSEY 08075, UNITED STATES OF AMERICA.

Application No. 746/Cal/1987, filed on 18th September, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

22 Claims

A flow-through electrode assembly of the type having as an element a tube for the passage of liquid sample through said assembly and a membrane comprising a membrane matrix of an organic plastic material containing a non-volatile solvent plasticizer and an ion-active material dissolved in said solvent plasticizer, with a structurally stable membrane of increased active area and of increased operating life characterised in that said tube comprises a porous tube in which the pores are impregnated with said membrane matrix, said porous tube comprising a material which is essentially non-reactive with a solution to be tested and in which pores are generally uniformly distributed through out said tube, said pores communicating between the inside of said tube and the exterior of said tube and having a maximum diameter of about 100 microns, said plasticizer being essentially non-reactive with and a nonsolvent for said tube material.

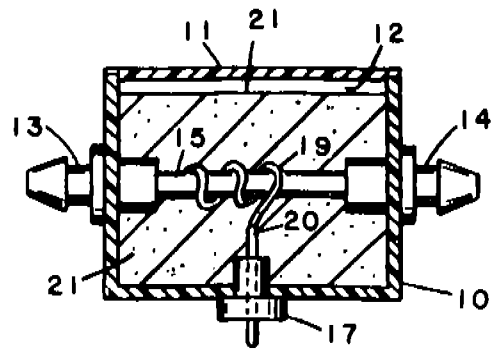


Fig. 2

Compl. Specn. 31 Pages. Drgs. 2 Sheets.

CLASS : 173-A. 168159
Int.Cl. : B 67 d 5/37.

A NOZZLE WITH AT LEAST ONE NOZZLE OPENING OR JET-ORIFICE, FOR FILLING MACHINES AND SIMILAR DEVICES E.G. PACKAGING MACHINES FOR LIQUID PRODUCTS.

Applicant : PKL VERPACKUNGSSYSTEME GMBH, OF KENNEDYDAMM 15-17, 4000 DUSSELDORF 30, FEDERAL REPUBLIC OF GERMANY.

Inventor : LARS TRYGG.

Application No. 793/Cal/1987, filed on 12th October, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

11 Claims

Nozzle with at least one nozzle-opening or jet-orifice which can be closed, particularly, a filling nozzle or jet for filling machines and similar e.g. packaging machines, for liquid products, particularly thick liquids like soups, creams, fruit mixtures, sauces and the like, with a valve body constructed like a piston, which is capable of moving to and fro, between a withdrawn position, in which the opening is released and an advanced position, in which the piston projects into the opening and shuts it down completely, characterised by a guiding device for the piston, with at least two guiding surfaces, which interact with two corresponding surfaces on the piston, lying essentially

opposite to each other, for the exact guiding of the piston, into the nozzle opening, the piston being divided (split) in the axial direction; pretensioning elements being arranged to press away the two halves of the piston, from each other, for compact supporting against the walls of the nozzle opening.

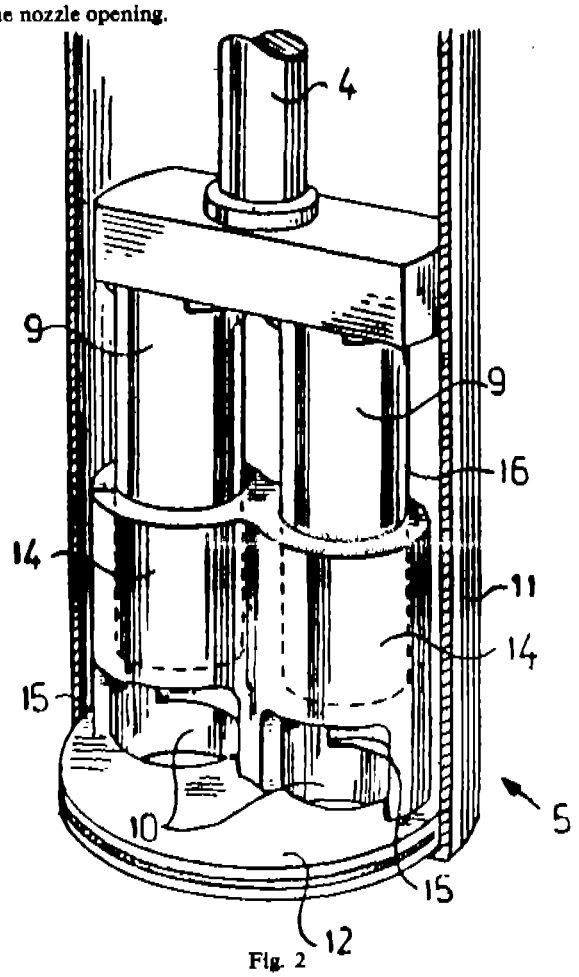


Fig. 2

Compl. Specn. 16 Pages. Drg. 1 Sheet.

CLASS : 99-E; 143-D1, D4. 168160
Int. Cl. : B 65 b 17/02.

MULTIPLE CONTAINER PACKAGE.

Applicant : UNIVERSAL SYMETRICS CORPORATION, OF 292 FORT PLAINS CENTRE, HOWELL, NEW JERSEY 07731, U.S.A.

Inventor : JURIS MINTAUTS MEDNIS.

Application No. 873/Cal/1987, filed on 6th November, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

8 Claims

A multiple container package comprising :

a plurality of mated containers which together form and substantially fill the volume of a polyhedron having opposite sides in parallel planes;

each container having a hollow body which includes a planar polygonal front wall, a planar polygonal rear wall, a planar polygonal bottom wall, opposite planar polygonal side walls and a planar polygonal top shoulder wall, each container having an elongated recess in one of said front and rear walls, said recess extending between said side walls with a length substantially equal to a width of said body between said side walls;

each container having an elongated neck extending from its shoulder wall near its rear wall, each neck extending substantially perpendicularly to said recess in its container, at least a portion of said neck being planar with said rear wall, said elongated neck having a length which is substantially equal to the length of a recess in an adjacent container of the package; and

said plurality of containers being mated with the neck of one container extending in the recess of one other container and the shoulder wall of the one container being contiguous with one side wall of the one other container.

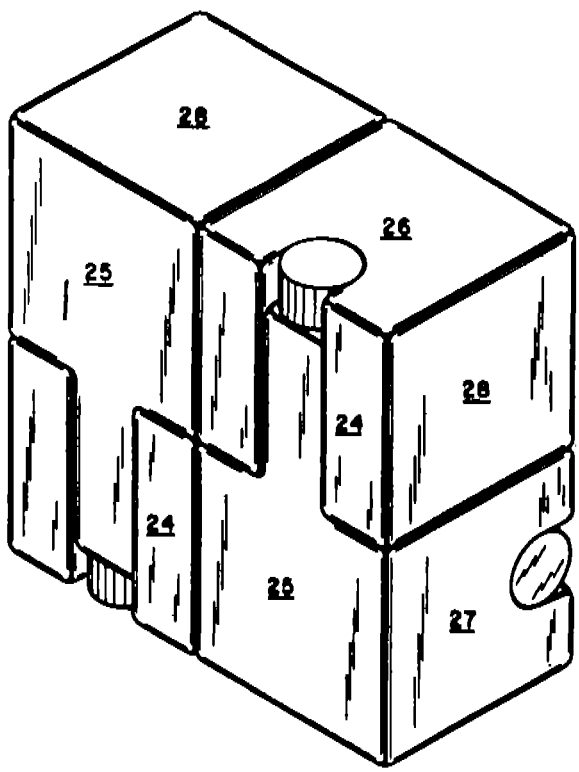


Fig. 1

Compl. Specn. 11 Pages. Drgs. 4 Sheets.

REGISTRATION OF DESIGNS

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of the registration in the entry.

Class 1. Nos. 162168 & 162169. Prestige Housewares India Limited of 78, Old Madras Road, Dooravaninagar, Bangalore 560016, Karnataka, India, Indian Company. "Pressure Pan with lid". June 5, 1990.

" No. 162170. Prestige Housewares India Limited of 78, Old Madras Road, Dooravaninagar, Bangalore 560016, Karnataka, India, Indian Company. "Pressure Cooker". June 5, 1990.

" No. 162172. Prestige Housewares India Limited of 78, Old Madras Road, Dooravaninagar, Bangalore 560016, Karnataka, India, Indian Company. "Pressure Pan without lid". June 5, 1990.

" No. 162610. Hawkins Cookers Limited, F-101, Maker Towers, P.O. Box 16083, Cuffe Parade, Bombay-400005, Maharashtra, India, Indian Company. "Steaming basket for a pressure cooker". October 30, 1990.

" No. 162612. Hawkins Cookers Limited, F-101, Maker Towers, P.O. Box 16083, Cuffe Parade, Bombay-400005, Maharashtra, India, Indian Company. "Tawa". October 30, 1990.

" No. 162321. Star Hind Lathe Works, 2404-Kuncha Challan, Darya Ganj, Delhi-110006, India, Proprietory Concern. "Locable Petrol Tap". July 16, 1990.

Class 3. No. 162246. Ujwal Brush Works, Trimurti Niwas, 2/15, Shashi More Chawl, Meghwadi, Jogeshwari (East), Bombay-400006, India, Maharashtra, Indian Proprietory Firm. "Broom". June 25, 1990.

" No. 162268. Ashish Enterprises, Irani Building, Ground floor, 303, Cawasji Street, Bombay-2, Maharashtra, India, Indian Partnership Firm. "Pen Stand with Pen". July 2, 1990.

" Nos. 162301 & 162303. Jil Plastics/Jagtjit Industries Limited, Indian Company, Ashoka Estate, 24-Barakhamba Road, New Delhi-110001, India, Indian Company. "Bottle". July 10, 1990.

" No. 162488. Varun Enterprises, Vishwakarma Building, 2nd floor, Central Avenue Road, Chembur, Bombay-400071, Maharashtra, India. Indian Proprietory Concern. "Comb". September 11, 1990.

Class 4. Nos. 162416, 162417 & 162419. B Chatterjee Enterprises, Indian Proprietory Firm of P-553, Panditia Road, Extn., Calcutta-700029, W.B., India. "Fly Type Fuse". August 10, 1990.

Class 10. No. 162336. Lakhani Rubber Udyog Ltd., of Plot No. 131-Sector 24-Faridabad-121005, Haryana, India, Indian Company. "Sole of Footwear". July 17, 1990.

" Nos. 162368 to 162374. Bata India Limited, 30, Shakespeare Sarani, Calcutta-700017, W.B., India. "Footwear". July 30, 1990.

Copyright extended for the 2nd period of five years.

Nos. 157038, 157068 & 157831 ..... Class 3

Copyright extended for the 3rd period of five years.

Nos. 150235, 157038, 157068 & 157831 ..... Class 3

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